HOLSTEIN-FRIESIAN WORLD

VOL. V. ITHACA, NEW YORK, MARCH 8, 1908. No. 5.

FRENESTA HENGERVELD DEKOL
25.792 lbs. fat in 7 days; 98.480 lbs. in 30 days. Owned by W. R. Smith, Syracuse, N. Y.
(See Advertisement, page 93.)

THE BLOOMINGDALE HERD

Is the Home of Over One Hundred Head of Registered Holstein-Friesian Cattle

Anyone Wishing to Buy an Extra Quality of High-Class Holsteins of Either Sex

Or any age will be able to select from this herd something that will please him both in quality and price.

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Breeders' Directory.

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De Kol 2d's Butter Boy 3d, the sire of 56 A. R. O. daughters. This is more than any other bull of his age.

LOOK HIM UP IN THE BLUE BOOK.

The greatest aged sire in active service. Our herd contains 32 of his daughters.

Karel Bos (Imp.), whose dam and granddam have the largest authenticated records ever made in Holland. A young bull of great individual merit and whose progeny are very promising.

The best imported bull in America. We have 15 of his daughters.

Korndyke Butter Boy, a son of Korndyke Queen De Kol and De Kol 2d's Butter Boy 3d. The seven nearest tested dams in his pedigree have official records averaging over 26 lbs. butter in 7 days.

The closest possible combination of the Korndyke De Kol and Hengerveld families, the families that have produced the greatest sires of the breed. A show bull in every sense of the word

Our herd numbers 165 head. Our stables are crowded and if you want some good stuff at reasonable prices, wirte or come and look us over. Nearly all the females in the herd of breeding age are bred to the above bhlls.

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SONS OF AAGGIE CORNUCOPIA JOHANNA LAD

out of dams by

PAUL BEETS DE KOL

— AND —

KORNDYKE QUEEN DE KOL PRINCE

With good A. R. O records.
Write for what you want.

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The Holstein-Friesian World

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THE STEVENS BROTHERS-HASTINGS CO.

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Cloverdale Farm, Brandon, Vt., Aug. 7, 1905

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J. G. WHITE & SON.

Holstein-Friesian World

VOL. V. ITHACA, N. Y., MARCH 8, 1908. No. 5.

CONTENTS.

Frontispiece—Frenesta Hengerveld De Kol
Breeders' Directory 86
H.-F. Association Directory 87
Holstein-Friesian Cattle 87
The King of the Butter Kings 88
Meeting of Holstein-Friesian Breeders' Club of New York 88
Resolutions Passed at the February meeting of the H.-F. Breeders' Club of New York 89
Illustration—Clothilde De Kol Alban, 33945 89
Chicago University to Have a School of Agriculture 89
STUDY TABLE:
Notes 90
FIELD NOTES 90
The George Rice Sale 91
Illustration—De Kol 2d's Alban De Kol 91
BREEDERS' BULLETIN BOARD:
Hillcrest Farm, N. Y 92
Granville Stock Farm 92
Lakeland Herd 92
Woodside Farm 92
Hillcrest Farm Herd, Mo 92
NUGGETS 92
EDITORIALS:
Sheets 96
A Criticism and Rejoinder 96
Are They Content 94
The Hart Casein Test 95
New Advertisements 95
HOME CIRCLE:
Poem—Each in His Own Tongue 98
Selections 98
Conscript of 1813 98
Summary of Official Records 99
OFFICIAL RECORDS OF HOLSTEIN-FRIESIAN COWS 100
TRANSFERS—List for Week Ending Dec. 21, 1907 101
List for Week Ending Dec. 28, 1907. 103
List for Week Ending Jan. 4, 1908.. 106

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Life Membbership, $25.

Advanced Registry and Official Testing in charge of superintendent as above.

Mills, Ferry.

HOLSTEIN-FRIESIAN CATTLE.

Paper read by C. F. Corey at the Farmers' Institute, Phoenix, N. Y., February 18, 1895.

Mr. Chairman, Ladies and Gentlemen: It is one thing to know and quite another thing to present your knowledge in an entertaining and convincing way. However, if you will bear with me I will read a few notes which I have jotted down regarding what I believe to be the greatest breed of dairy cattle in the world—the Holstein-Friesians.

These black and white Dutch cattle have a history older than the Christian era. They have been bred in a country whose land was reclaimed from the sea, on land valued at from $500 to $1,000 per acre, and they have made their owners prosperous and wealthy. They have spread into Europe and formed the nucleus of many breeds from the Kolmagorian of Russia to the Holderness of England. They are found in nearly every country of the globe where dairying is carried on.

Perhaps I should give a word of explanation concerning the name Holstein-Friesian applied to the Dutch cattle in this country. Friesland and North Holland, provinces of the Netherlands, is the proper home of the breed. In northern Germany is the province of Holstein, where descendants of the Friesland and North Holland cattle have long been bred. It is related that in very early times the German tribes that settled England took with them black and white cattle from Holstein, that they became established in the rich valleys of the Humber river, in the district of Holderness, and there became known as Holderness or Holstein cattle. It may be that some of the early importations to this country were from Holstein; at any rate the first herd book association organized in this country adopted the name "The Association of Breeders of Thoroughbred Holstein Cattle." The first herd book published by this association was issued in 1872. A few years later another association was formed known as "The Dutch Friesian Association." These associations remained separate and distinct, each issuing its own herd book until the year 1885, when they united under the name Holstein-Friesian.

The Advanced Registry System was a feature of the Dutch Friesian Association, later adopted by the Holstein-Friesian Association. S. Hoxie, our veteran superintendent, can truly be said to be the father of this system, as it was organized and long fostered by him. Now it is recognized by all as a most valuable feature of registration. As all pure-bred animals may be entered in the herd book, but only those who have proved themselves to be superior producers may be entered in the Advanced Register, it has become of great assistance in the matter of selection for breeding purposes.

The characteristics which are making these cattle famous the world over are: large size, strong constitution, ready adaptation to changed environment, enormous productivity. Mature cows of this breed weigh from 1,200 to 1,600 pounds, and when dry they readily take on fat. Good cows of every dairy breed often, from various causes, become unproductive as dairy animals. On account of their large size and ease of fattening, the Holstein-Friesian cow may be turned with profit. They have been known to produce calves weighing as high as 130 pounds at birth. Grade calves of this breed are especially profitable for vealers. That they are of strong constitution and easily adapt themselves to their environment is proven by the fact that they have become established in nearly every country on the globe, and are threatening to supercede all other dairy cattle.

The cow De Kol reamelle, owned by the Messrs. Field, of Brockton, Mass., recently produced 119 pounds of milk in 24 hours, averaging over 100 pounds per day for 30 days. She produced over 26,000 pounds in one year by official record. Pietertje 2d produced over 30,000 pounds in one year. Though the percentage of butter fat in the milk of this breed is not as high as in the milk of the smaller breeds, their enormous yield makes them easy champions in the matter of butter production.

Colantha 4th's Johanna, owned by W. J. Gillett, of Rosendale, Wis., produced during the season just closed 28,176 pounds of butter fat in seven days, 110,833 pounds in 30 days, 208,938 in 60 days and 998,256 pounds in one year. By the usual method of computing butter from butter fat this is equivalent to 1,247.82 pounds of butter. No other breed has a single record that approaches this.

But this is not all: eight cows of the

breed have official records exceeding 100 pounds of butter fat in 30 days, 65 with records exceeding 80 pounds in 30 days and 30 cows with records exceeding 20 pounds of butter fat in 7 days. We challenge all the other dairy breeds to mass their records and make a showing to compare with this.

It has recently been scientifically demonstrated that Holstein-Friesian milk forms a better and more wholesome food than the milk of the smaller breeds with a higher per cent. of butter fat. For authorities we name the Storrs Agricultural College, Connecticut; Prof. Carlyle ,of Wisconsin, and Dr. J. Allen Gilbert, of Portland, Ore. These institutions and men have scientifically demonstrated this fact, and Holstein-Friesian milk is being exclusively used in many of the State hospitals and asylums throughout the country.

In the first instance, it is shown that Holstein-Friesian milk in composition comes nearer the human mother milk than that of any other breed. Doctors who understand this fact are forbidding the use of the milk of any other breed as a substitute for mother milk. In the small yields of the high fat percentage cows there is too much fat and it is in too large globules to be readily absorbed by young children and many adult people.

The small globule and the slow separation especially fits Holstein-Friesian milk for shipment to cities for whole consumption. When the cream does rise it is much more readily remissable than in high percentage milk.

Butter fat is a carbo-hydrate, and milk sugar is also a carbo-hydrate, and these two substances are readily interchangeable. It is shown by tables of analyses (see Storrs Bulletin, No. 31) that milk of a high percentage of butter fat has a correspondingly low percentage of milk sugar, and conversely milk of low percentage of fat has a high percentage of milk sugar. As milk sugar is much more readily assimilated through the digestive system than butter fat, it is readily seen to be more wholesome and nutritious.

So we say, from their honorable history and long breeding, from their large size and strong constitution, from their conquests in all nations, from their greater production, not only of milk but of butter fat, and from the more wholesome and nutritious character of their milk, the Holstein-Friesians are the champions of the dairy world.

Little drops of water,
Little grains of sand,
Make the stocks that oughter
Be completely banned.
—Philadelphia Press.

THE KING OF THE BUTTER KINGS.

Born June 11, 1907.

Owner, C. S. Averill, Syracuse, N. Y.

The only bull of the breed with three nearest dams that average almost 32 lb. of butter in 7 days, and all three dams average over 4 per cent. fat.

We can only judge a young sire by his individuality and his breeding. One of the most essential qualities in his breeding must be the ability to produce great animals. In the pedigree of this young bull will be found Aaggie Cornelia 5th's Clothilde Imperial, sire of Colantha 4th, the dam of the World's Champion cow; he is also sire of Johanna Rue 2d, dam of Sir Johanna, the sire of the World's Record cow.

We also find Johanna 4th, a sister of Johanna 5th, the dam of Johanna Rue, who is the dam of Johanna Rue 2d, the dam of Sir Johanna, the sire of the World's Champion cow. Consequently this young sire traces back in two strains to the foundation head of the greatest cow the world has ever produced.

One of the most noted sires of the western country is Sarcastic Lad, who won the World's Championship at the St. Louis Fair against all competitors. Another great sire is Paul De Kol, who stands at the head of the three greatest direct descendant sires of the breed. His son, De Kol 2d's Paul De Kol, the sire of Aaggie Cornucopia Pauline, who holds the World's Senior 4-year-old record of 34.32; May Hartog Pauline De Kol, who previously held the World's Butter record; Lilith Pauline De Kol, who for seven years held the World's Junior 4-year-old record of 28.24, and his son, Paul Beets De Kol, has sired more oincial record daughters than any other sire of the breed.

Belle Korndyke also appears on this pedigree, the first 25-lb. cow of the breed to produce four 20-lb. daughters. De Kol 2d's Butter Boy, who has through his sons 323 official record granddaughters. No other sire of the breed can equal this.

Hengerveld De Kol was without a doubt one of the greatest sires in the world. His entire offspring of two-year-old heifers average 14½ pounds of butter. He is also the only sire in the world of a yearling heifer that has a record of over 20 pounds. He is an own brother in blood to Pietertje Hengerveld's Count De Kol. These two brothers have produced more official record daughters and more with records over 20 pounds than any other two brothers.

On both sides this young sire traces to Pietertje 2d, who gave in one year 30,318 pounds of milk. Her daughter, Pietertje 3d, gave over 24,000 pounds of milk in a year as a four-year-old. Although these records were not official, they were verified and accepted, and have never been questioned.

You can readily see that the ancestors of this young sire have produced the greatest animals of the breed, both as to size of official records and producing qualities.

The sires and their sons on this pedigree have produced 1,725 official record daughters.

The dams and their sons on this pedigree have produced 1,229 official record daughters and a total of sires and dams produce of 2,954 A. R. O. daughters.

The sires and dams on this pedigree have produced 69 daughters with records that average over 4 per cent. fat.

There are only eight junior two-year-old heifers of the breed that have records better than 20 lb. The entire number trace to the ancestors of this young sire.

There is only one 20-lb. yearling heifer of the breed, and she is sired by Hengerveld De Kol, a great grandsire of this young sire.

There are only twelve cows of the breed with records better than 30 lbs. Eleven of them trace to the ancestors of this young sire. The other one is the imported cow, Pietje 22d.

There are only seventy-one cows of the breed that have over 100-lb. 30-day records. Seventy of them trace to the ancestors of this young sire. The other one is the imported cow, Pietje 22d.

All world's records for both milk and butter and for all ages are held by cows that trace to the ancestors of this young sire, which cannot be said of any other bull of the breed, and if we believe what we are taught, that like begets like what must we expect from the service of this young sire.

MEETING OF HOLSTEIN-FRIESIAN BREEDERS' CLUB OF NEW YORK.

Syracuse, N. Y., Feb. 19, '08.

The meeting of the Holstein Breeders' Club of New York was held at the assembly room of the Yates hotel, Feb. 19, 1908. Mr. Moyer presided. The minutes were read by the secretary and approved. Mr. Jerome moved that the following named persons be declared elected to membership. Carried. Chas. Van Wagner, Syracuse; Fred Per Lee, McLean, N. Y.; F. L. Burnham, Cortland, N. Y.; Grove H. Goodwin, Baldwinsville, N. Y.; R. G. Coe, Kirkville, N. Y.; L. T. Peck and G. E. Thayer, Syracuse. Mr. Moyer and Mr. Smith made a verbal report for the committee appointed to go to Albany in relation to the tuberculosis bill. Mr. Powell read and discussed the New York bill that is being urged upon the Legislature, and Mr. Worker and Wilcox spoke briefly on the subject. Dr. Voorhese moved that the committee be

continued and be given power to do anything that they thought best and go to any expense necessary in caring for this tuberculosis question; and Mr. Worker moved that there be added to the resolution that an attorney be employed to assist the committee. Carried.

Mr. C. F. Hunt thought that we should interest all State associations in our work. Mr. Dalrymple moved that each member see their Assemblyman and State Senator and post them as to this proposed act. Mr. Carter moved that the secretary write to kindred associations as to what we are doing, also that the secretary notify each member of this club as to the action of this meeting, the number of the bill, etc. Mr. Langworthy moved that a letter be formulated by the committee, and that such letter be sent to each Senator and Assemblyman and to each member of the club and to all cattle breeders in the State, if in the judgment of the committee this would be wise. The secretary promised to get the committee together and make up and send out such a letter. Mr. Hastings offered the following resolutions:

Whereas, The labors of Dr. Samuel Adams Robinson and Dr. J. Allen Gilbert have demonstrated important facts which distinguish Holstein milk from that of the other breeds, and have added much to the current knowledge of the qualities that are desired in cow's milk; and,

Whereas, These gentlemen have rendered services of incalculable benefit to the Holstein-Friesian breed through the publication of Dr. Gilbert's paper on Choice of Cow's Milk, and through the recognition which in their professional capacity they have secured for this article in the columns of important technical and scientific journals, thereby calling public attention most effectively to an absolutely impartial and disinterested statement of facts which establish beyond question the superiority of Holstein milk; therefore, be it

Resolved, That we, the members of the New York State Holstein Club, hereby express our appreciation of the splendid work accomplished in the interests of our breed by these two men of science; and in token of our thanks vote that copies be sent to the two Holstein papers for publication; and further moved that a copy of the resolutions be sent to Dr. Robinson and Dr. Gilbert, Holstein-Friesian Register and Holstein-Friesian World.

WING R. SMITH, Secretary.

High as the tides of generous impulse flow,
As far rolls back the selfish undertow.
—Whittier.

RESOLUTIONS PASSED AT THE FEBRUARY MEETING OF THE H.-F. BREEDERS' CLUB OF NEW YORK.

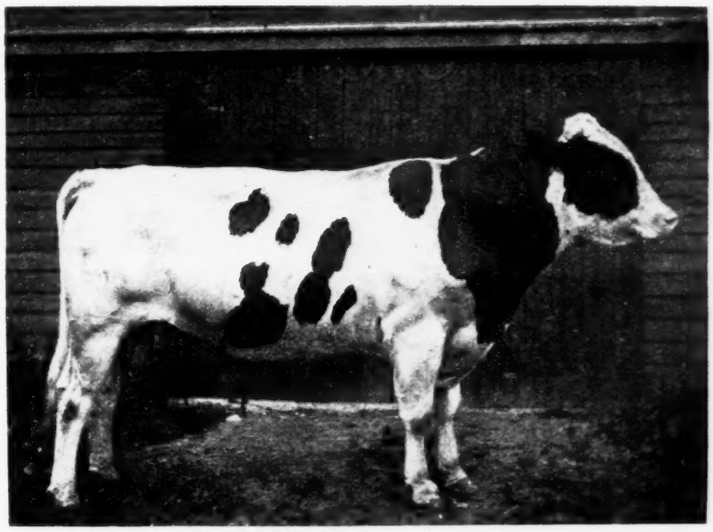
Whereas, The labors of Dr. Samuel Adams Robinson and Dr. J. Allen Gilbert have demonstrated important facts which distinguish Holstein milk from that of the other breeds, and have added much to the current knowledge of qualities that are desirable in cow's milk; and,

Whereas, These gentlemen have rendered services of incalculable benefit to the Holstein-Friesian breed through the publication of Dr. Gilbert's paper on "Choice of Cow's Milk," and through the recognition which, in their professional capacity, they have secured for this article in the columns of important technical and scientific journals, thereby calling public attention most effectively to an absolutely impartial and disinterested statement of facts which establish beyond question the superiority of Holstein milk; therefore, be it

Resolved, That we, the members of the New York State Holstein Club, hereby express our appreciation of the splendid work accomplished in the interests of our breed by these two men of science; and in token of our thanks vote that copies of this resolution be forwarded to Drs. Robinson and Gilbert, and also that copies be sent to The Holstein-Friesian Register and The Holstein-Friesian World for publication.

Syracuse, N. Y., Feb. 19, 1908.

HOLSTEIN-FRIESIAN BREEDERS' CLUB OF N. Y.
WING R. SMITH, Sec'y.



CLOTHILDE DE KOL ALBAN, NO. 35945.
Second prize bull at Syracuse, 1907, at 3 years old.
Owned by Ralph Corbin, Bainbridge, N. Y.

CHICAGO UNIVERSITY TO HAVE A SCHOOL OF AGRICULTURE.

Record-Herald [Chicago], Feb. 20, 1908.

College life among the lowing kine and other pastoral favorites of the poets will be the privilege of University of Chicago students in the future.

The Midway school has installed an agricultural department, and the cultivation of the rural attitude is to be the recherche thing among correct and urbane disciples of learning at the university.

The newly organized department is the Agricultural Guild of the University of Chicago, formed for the purpose of dignifying agriculture as a pursuit for collegians. It includes ten wealthy landowners of Chicago, who will supply the model farms on which the instruction is to be given.

The students will return at stated intervals for lectures at the university. Practical experience will be obtained in horticulture, vegetable and seed growing, dairying, stock and poultry raising, the selection and use of farm machinery, the keeping of farm accounts, managing of farm labor, studying the markets and marketing farm products.

The students will receive $15 a month during the first year, $20 a month the second year and $25 the third year, besides a bonus of $200 at the end of their course.

Professor William Hill of the university department of political economy has been chosen as the director of the guild. The land-owners whose farms will furnish the laboratories for the experiment are Arthur Meeker, general manager of Armour & Co.; R. R. Hammond, president of the Deering Coal Company; Spencer Otis, vice-president of the National Dump Car Company; Samuel Insull, president of the Chicago

Edison Company; Professor F. I. Lillie of the university biology department; H. S. Keepey, traffic manager of the Chicago, Milwaukee and St. Paul Railroad; H. S. Hart, president of the National Dump Car Company; Benjamin Johnson, breeder of horses and cattle; H. I. Miller, president of the Chicago and Eastern Illinois Railroad, and J. K. Deering, vice-president of the Deering Coal Company.

The Study Table

NOTES.

Before me is a large bundle of letters, many of them enclosing extended pedigrees of bulls with the butter records of offspring; sisters and half-sisters; dams, granddams and great-granddams; estimated and given in pounds and fractional pounds by the 80 per cent. factor. For several days I have been studying them. I am tired, confused and somewhat vexed. The purpose of my study I know would be approved universally by Holstein-Friesian breeders if they knew it. Therefore I hope my criticism of such extended pedigrees will also be approved. Let us suppose that I am looking for a bull to head a herd of cows—large producers of milk of low per cent. fat. I want to improve this herd by introducing a strain of blood that produces milk of a high per cent. fat. Of what service can such butter records be to me? The pounds of milk are not given nor the percentage of fat. Reverse this supposition; I want to improve a herd of only moderate producers of milk by a strain of blood that will increase the quantity of milk, of what value are such butter records to me? Is it not time to abandon estimated records by the 80 per cent. factor—a stench in the nostrils of all other breeders of dairy cattle in this country?

From such limited information I turn to the volumes of the Advanced Register. There is shed a flood of light on the search that I am making. I believe that few men can afford to buy a bull or a cow of the Holstein-Friesian breed that is recommended on butter records without studying these volumes.

This leads me to think of T. G. Yeomans, now dead, and of expressing my thanks for saving the Advanced Registry system from destruction. The union in 1885 by which the Holstein-Friesian Association came into existence was based on mutual pledges between the two old associations—the Holstein and the Dutch Friesian, which surrendered their charters for this purpose. One of the pledges to the Dutch Friesian was the establishment and maintenance of a system of advanced registration. Not long after this union was formed there seemed to be an overwhelming demand on the part of many prominent men of the old Holstein Association that this pledge should not be carried into effect. They made records, but withheld them from entry in the system. Then they issued a circular demanding that the by-law establishing it be repealed. At the same time a story was set afloat (whether true or false I cannot say) that Holstein men passed the word among themselves on the day when the union was effected that when once united they could and would abandon the system. From such a fate I sincerely believe T. G. Yeomans saved our Advanced Registry. He, indeed, was an honorable man. He secured the assistance of W. Brown Smith, another honorable man, now gone from our midst. They issued a circular, with no other names attached, pointing to the dishonorableness of such a demand. At the annual meeting these men held the opposing members in check. To them and the members of the old Dutch Friesian Association the present members of the Holstein-Friesian Association owe a debt of gratitude. Personally I am thankful that this system now simply gives all records in pounds and decimals of pounds of butter fat. It has nothing to do with estimating butter by the 80 per cent. factor or juggling in any way with the truth.

S. HOXIE.

Field Notes.

The address of Gen. Wood, which appears in the last Register, was published in the World two months ago. Say, doesn't it strain your eyes to read such fine print?

Valancey E. Fuller, a reformed Jersey advocate, was booked to address the Holstein-Friesian Breeders' Club of New York on March 5th. We advise Mr. Fuller to look out for the Jersey—Black Hand.

The Chemung Valley (N. Y.) Holstein-Friesian breeders have organized an association with twenty-three charter members; Geo. M. Wells, president; S. S. Comfort, vice-president; N. M. Compton, secretary; Herbert C. Way, treasurer, all of Elmira, N. Y.

The next meeting of the St. Lawrence County Holstein-Friesian Club will be held at Hammond, N. Y., on Thursday, March 12. Geo. T. McNeil, of Theresa, will give a talk based on his practical experience with Holstein-Friesians. Meeting called at 1:30 p. m. All dairymen are invited.

D. Curtis Stanion, now in the employ of the city Board of Health, Indianapolis, Ind., was in Ithaca on the date of February 14th last, having been called home by the death of his mother. His stay was very brief.

Secretary A. G. Byers sends in the names of three additional charter members to the Ohio Holstein-Friesian Association: Oscar Erf, professor of dairying, Ohio State University, Columbus; Messrs. Christ Viet and S. Yoxtheimer.

As we go to press we learn that the Holstein-Friesian cow Dichter Calamity, 62412, owned by John Arfmann, Middletown, N. Y., has made close to 26 lbs. of butter fat, over 32 lbs. of 80 per cent. butter, in 7 days. The Holsteins are finding themselves these days.

Consul-General Willing Peters, of Muncie, tells how apple cider is treated in Germany. The cider is sterilized, settled for some days and then filtered, which renders it absolutely transparent. A small amount of carbon dioxide is added, when it is bottled and finally pasteurized, absolutely destroying all germ life. It is said to be a most delicious drink, retaining all the flavors of pure apple cider.

It seems that the badge of the Ohio Dairymen's Association this year was a vignette of the world's champion dairy cow, Colantha 4th's Johanna. The Jersey people refused to wear it. It did put them in rather a tight place after having expended so much hot air over the merits of their breed. We do not know what we would have done if we had been a Jersey breeder, under like circumstances, but we think we should have gone "whey back and sat down."

We are in receipt of the pedigree chart of the young sire, The King of the Butter Kings, who is owned by C. S. Averill, of Syracuse, and whose services are now offered to the public. The sire and dam of this youngster represent an actual purchase price of $18,000. The chart is 20 by 34 inches in size and printed in two colors on very strong paper. The introduction to this chart is reproduced in another column of this paper under the heading "The King of the Butter Kings."

The Consular Reports say that the Chinese ramie cloth is being introduced into England and some other European countries. Ramie fiber comes from a kind of grass that grows in unlimited quantities all over China. It is claimed that the fiber when prepared is nearly pure white and resembles silk, besides being ten times more durable than cot-

ton. J. W. Ragsdale, consul general at Tientsin, thinks that Ramie has a great future and will some time play an important part in the clothing of the world.

The Practical Farmer of February 20th contains the following: "Prof. G. M. Rommel found that yearling sows farrowed, on an average, 6.5 pigs per sow; the two-year-old sows average 7.56; the three-year-old, 8.28, and the five-year-old 8.40. This is a strong argument of those who believe in using an old sow until she is five or six years old, providing she does not eat her pigs or chickens." Of course, it is a minor matter, but it would have been interesting to know the average number of chickens a sow has, farrowing at the different ages mentioned, in addition to the average number of pigs. Perhaps these statistics will be given later.

We were not intimately acquainted with Mr. N. F. Sholes, who met death as the result of asphyxiation at the Winchester hotel while in attendance at the Cleveland sale in January last, but we know that he was a man whom it was a pleasure to meet. Always affable, he had many friends. For many years he had been an honored and respected member of the Holstein-Friesian Association of America, and his was a familiar face at all its gatherings. His farm—Pioneer Stock Farm—was located near Earlville, N. Y., where he resided at the time of his death. A herd of about one hundred head of pure-bred Holstein-Friesian cattle, in which he took great pride, was kept on this farm. For some years Mr. Sholes was manager of the Adamant Wall Plaster Company of Syracuse. A widow and two daughters mourn his sad and untimely decease.

The official report of tests published in this issue of the World adds five names to each of the World's 20-lb. and 80-lb. lists. They are as follows: Lillian Walker Pietertje, at 5y. 8m. 25d., produced 611.6 lbs. of milk, 24.006 lbs. of fat in 7 days, and 2,597.7 lbs. of milk and 100.26 lbs. of fat in 30 days; Mildred Walker, at 5y. 3m. 19d., produced 604.8 lbs. of milk, 21.528 lbs. of fat in 7 days, and 2,428.8 lbs. of milk, 85.421 lbs. of fat in 30 days; Bessie Hamilton 2d, at 5y. 3m. 20d., raised her former 20-lb. record from 80.480 lbs. fat to 23.266 lbs. fat in 7 days, and entered the 80-lb. list with 2,137.2 ilbs. of milk, 91.722 lbs. fat in 30 days; Daisy Pietertje Hartog 2d, at 3y. 11m. 21d., produced 530.1 lbs. of milk, 21.901 lbs. of fat in 7 days, and 2,291.5 lbs. of milk, 88.568 lbs. of fat in 30 days; Alma Coin Hengerveld De Kol, at 3y. 3m. 26d., produced 577.1 lbs. of milk, 23.072 lbs. of fat in 7 days, and 2,370.5 lbs. of milk, 92.245 'bs. of fat in 30 days. All of the above are owned by A. A. Hartshorn, Hamilton, N. Y., and were in test at the same time. Besides these Madrigal of Belmont, at 8y. 0m. 28d., owned by J. B. Irwin, Minneapolis, Minn., entered the 20-lb. list with 610.0 lbs. of milk, 20.747 lbs. of fat. This report brings the lists to 132 and 68, respectively.

THE GEORGE RICE SALE.

Columbus, O., Feb. 26, 1908.

Editor H.-F. World

I have just arrived home from Tillsonburg, Ont., where I sold yesterday, the 25th, for Mr. Geo. Rice 45 head of Holstein cattle at auction. The 28 cows and heifers brought an average of $143.38, and 17 little bulls, yearlings and calves an average of $61.40, which was good for a neighborhood crowd, i. e., his county and surrounding counties. It looked like they want the black and whites, for there were over 2,000 people present at the sale. They sell anywhere better than any other breeds, so I say hurrah for the B. and W. Don't you? COL. PERRY.

CALF TROUBLE.

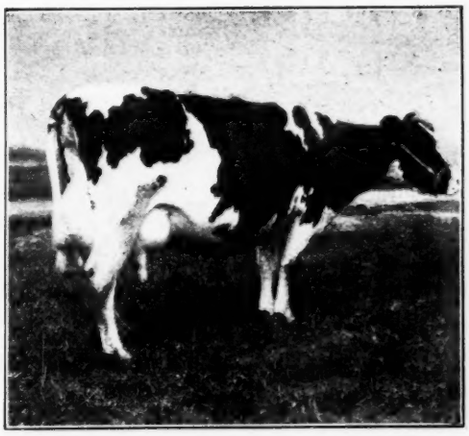
Editor H.-F. World:

One day last week I was requested to call and see a calf that they said was not doing well and was about blind. I called and found the calf in a good, warm barn, and in a small pen in the back corner of the basement, and as I went to the pen the ammonia was quite strong. At the first sight I saw the bedding about two feet deep, and the little fellow was about blind from the ammonia gas. I took him from the pen and found him covered with lice by thousands. I requested that the pen be cleaned and kept dry, and that the little fellow be washed with some good sheep dip or tobacco water. I speak of this case to caution the readers of the H.-F. W. so that the same may not occur to them. Middleport, N. Y.

M. D. WILLIAMS, D. V. S.

Who is the patriot? It is he
Who knows no boundary, race or creed,
Whose nation is humanity,
Whose countrymen all souls that need.

—Frederick Lawrence Knowles.



DE KOL 2D'S ALBAN DE KOL, NO. 36714.

When this cow at 13 years 2 months of age, last autumn, made an A. R. O. record of 26.57 lb. of butter in 7 days and 109.71 lb. in 30 days—her average per cent. of fat for the whole period being 4.14 per cent.—a new world's record was established for all cows of her age, and even a year younger. When all conditions are considered this is not only a great world's record for her age, but the performance is simply marvelous. She had her first calf at about 19 months of age, has bred and milked regularly, and for the last four years has not been dry; has had a calf each year, and after having her last calf, and before commencing this record, she hal milk fever. Under the conditions this record is a mark for any cow of any age under similar conditions.

De Kol 2d's Alban De Kol was a daughter of De Kol 2d's Alban, which bull had 13 A. R. O. daughters whose records average higher than any other bull with 13 or more daughters. The per cent. of his tested daughters with records above 20 lb. is the highest of any bull with an equal number in the list. Her dam was a daughter of Netherland Alban, which was the sire of De Kol 2d's Alban, making her 75 per cent. of the blood of her sire. Her granddam was also the granddam of Susie De Kol, the dam of Lord Netherland De Kol. She has 2 A. R. O. daughters which promise to equal their dam. The whole family are of the same type, which is my ideal for the dairy.

Yours truly, E. A. POWELL.

Syracuse, N. Y., March 2, '08.

Breeders' Bulletin Board.

HILLCREST FARM, N. Y.

Mr. E. C. Brown, from Cornell Agricultural College, has just finished testing eight cows for W. B. Whitlock, Warwick, N. Y. Five heifers with their first calves averaged 12½ lbs. butter each in 7 days, one of them giving 53 lbs. milk in one day; one two-year-old heifer, 8 months after calving, made 10 lbs. butter in 7 days; one four-year-old heifer made 15.155 lbs. butter in 7 days, giving over 60 lbs. milk in her best day; one full age cow, "Brimsma De Kol, No. 50636," from 466.6 lbs. milk made 20.122 lbs. butter in 7 days and about 70 lbs. milk in one day. Mr. Whitlock has tested 15 cows and heifers this winter, every one having made better than advanced registry requirements. Two full-aged cows made better than 20 lbs. and one four-year-old made over 21 lbs. butter in 7 days. These cows were not picked, but were tested as fast as they were treshened. There is no doubt but what Mr. Whitlock's whole herd will qualify for the advanced registry. The herd now numbers 63 head.—Warwick Valley Dispatch.

GRANVILLE STOCK FARM.

Mr. D. R. Nettleton, of the New York State Agricultural College, one of the most capable supervisors of official tests, is at Granville Stock Farm and is assisted by Mr. James Colvin, one of the best expert feeders of cows around. They are making some great milk and butter records. One of the remarkable cows of the herd made the first seven days of her test 26 lbs. of butter, 420 lbs. of milk; average per cent. of fat, 4.82. The best seven days of her test this great cow made 27.084 lbs. butter, 490.9 lbs. milk; average per cent. fat, 4.47. Fifteen days' record, 1,000 lbs. milk, 55.93 lbs. butter. Best day's butter 5 lbs. This grand cow has seven half sisters in the herd; also two sons. The average butter records of the three nearest dams of the sons is over 27 lbs. Six other cows are making good official records. Mr. Kutschbach has made a special effort in selecting and breeding cows rich in butter fat.—The Sherburne News.

LAKELAND HERD.

Syracuse, Feb. 25, 1908.

Editor H.-F. World:

I find in my report to you I made an error in the average of the records of Frenesta Hengerveld De Kol. It should be 24.14 lbs. for the four records for 7 days.

Frenesta has now finished her 30 days' record with the following result: 2,506.9 lbs. of milk, which tested 123.10 lbs. of butter, and this in addition to her 7-day record of 32.24 lbs. Others will, of course, do better, but there are very few cows that seem to be able to do as well. I certainly hope that there will be many, and I shall try to have some of them in the Lakeland herd.

As to the H.-F. Club meetings, we do not always know just when and where they are to be held, but today I am sending out notices for a meeting for the evening of March 5th, when Mr. Valancey E. Fuller, a former Jersey breeder and advocate, but who has so far reformed as to be willing to address Holstein breeders, and to admit that there is some merit in the breed they champion. It will interest and instruct all who hear it.

WING R. SMITH.

WOODSIDE FARM.

My Dear Mr. Brown:

It will doubtless interest your readers to learn that Wachusett Catrina, the fifth daughter to freshen of the great bull Creamelle De Kol Butter Boy, has just completed her 7-day test in the junior two-year class, making 17.24 lbs. butter from 451 lbs. of milk. This gives his first five daughters to calve a two-year-old average of 14.52 lbs. of butter from 380 lbs. of milk, and firmly establishes his reputation as the sire of the greatest milking strain of the breed.

I have also just begun the third test of Shadybrook Gerben Parthenea 4th. The first five milkings she has averaged 5.33 per cent. fat, best milking 5.7 per cent. fat, thus vindicating her wonderful yearling record (a world's record for all breeds) of 6.79 per cent. fat for 7 days, and showing her ability to duplicate it under favorable circumstances; also confirming our knowledge of the wonderful power she has of converting her body fat into butter fat.

The milk situation in Boston has become so bad that I have decided to sell my entire herd, except a few calves, so that I shall not have any milk to ship to Boston at least for two years. I will soon send you a catalogue and an advertisement for this sale.

Yours truly, JOHN B. MARCOU.

HILLCREST FARM HERD.

Greenwood, Mo., Feb. 18, 1908.

Holstein-Friesian World:

Gentlemen:—The Hillcrest herd of butter-bred Holsteins was never in better shape than the present and the output of milk from our sanitary dairy was never as large before, and we are constantly striving to raise the standard of our milk. Prince Inka Pietertje De Kol 2d, who has 20 A. R. O. daughters, five over 18 lbs., four over 19 lbs., two over 20 lbs., one 25.357 lbs., is our chief sire and has given us a superb bunch of heifers. When they mature we expect to increase his already enviable record. He is already considered the peer of any bull in the West today.

The inquiry for our stock is good, and sales have been correspondingly good. We sold last week to Mr. Chas. Stephens, of Columbus, Kan., the fine cow Dolly Wayne Pauline, A. R. O. 18.5 lbs. butter from 494.4 lbs. milk in 7 days, 76 lbs. milk in one day; bred to old Prince and due in April; also the cow Parthenea Gerben Tritomia, a fine show cow, giving a big flow of milk. She has never been tested, but is capable of making a good record. These are two fine animals we would have preferred to retain in our herd, but the price (which he will not allow made known) was tempting, and was, I believe, the largest for any cows ever sold from Hillcrest. Mr. Stephens also bought some high class animals at the Glissmann sale at Omaha. He is a gentleman with plenty of means, and he believes in buying the very best, both in breeding and quality. The few head he already has show lots of quality and great breed character. To head his herd he bought Florence Jewel 2d's Lad, sired by Colantha 4th's Lad, a brother to Colantha 4th's Johanna, dam of Florence Jewel 2d, owned at Hillcrest. With such blood Mr. Stephens' success is already assured.

We also sold Mr. Chas. Lass, of Kansas, the fine young Wayne bull, Sir Skylark Jewel Wayne. He goes to head a small but select herd of females. Mr. H. H. Frerking, of Missouri, gets the grandly bred bull, Prince Wayne Pauline, son of Dolly Wayne Pauline by Old Prince. This is certainly one of the finest prospects for a sire, combining as he does as grand breeding and quality as ever went out from Hillcrest. We have some more left made of similar material and young ones coming on all the time. Write us your needs, or better come look the herd over. We will tap a bottle of sanitary milk. Mention the Holstein-Friesian World when writing us, please.

BERRY LUCAS, Mgr.

NUGGETS.

The new gold piece is tainted money—"taint" got any God on it.

The weather thermostadt must be out of working order these days.

Getting credit for what you do is one thing, and getting credit for what you buy is another.

During financial crises, when every other industry of the country is depressed, coffin manufacturers run night shifts.

It should be remembered that Senator Aldrich, father of the currency relief bill, is father-in-law of John D., jr. That's all.

A short circuit or a grounded wire may account for the fact that some people, who seem to have lots of energy, never accomplish any work.

THE STANLEY PHOTO CO.

Photo-Engravers, Zinc Etchers, Designers.

Half tones, 3x4, at the low price of $1.50. Cuts that will run. Reference, this paper. Satisfaction guaranteed.

207-209 E. Buffalo St., Ithaca, N. Y.

HIGHLAND HERD

offers a bull calf born Nov. 7, 1907. His dam has a record of 24.7 lbs. of butter in 7 days. His sire is **King of the Veemans**, whose dam is **Jessie Veeman A. 26.25 lbs.**, grandam, **De Kol 2d 26.58 lbs.**, great grandam **Netherland Hengerveld. 26.67 lbs**, average, 26.5 lbs Price $100

W. A. Carr, Tully, N. Y.

In writing to advertisers mention the WORLD.

Official Records Made at Lakeland Farm

The following official records have been made by cows and heifers now in my stable, and, with a single exception, have been made in my stable and under my supervision, includes every cow and heifer in my heard that has been tested and all the milking cows and heifers in the herd but five, who were either too young or met with an accident at the time of freshening. The following table will show that the very large majority of my cows are either daughters or granddaughters of that celebrated sire, PIETERTJE HENGERVELD'S COUNT DE KOL, who now has at least 71 A. R. O. daughters, a large number of granddaughters in the list, and 25 of his daughters have records of 20 lbs. each or more.

Frenesta Hengerveld De Kol

The great cow FRENESTA HENGERVELD DE KOL, who has recently completed her record of 32.24 lbs. of butter in 7 days and 123.10 lbs. in 30 days, is in this herd, and is a daughter of this famous bull.

The letter B placed in front of the name indicates that the animal is the daughter of Pietertje Hengerveld's Count De Kol, while the letter G indicates that the animal is a granddaughter of the same bull, and the letter B that I have a bull calf for sale from that cow.

Name.	Age.	Lbs. Milk	Lbs. Butter.
D Frenesta Hengerveld De Kol....	6	549.1	32.24
" " " (30 days)	6	2,493.7	123.10
BD Hazel Ophelia De Kol.....	3	621.8	25.23
BD Duchess Hengerveld.....	4	630.0	34.90
BD Verbelle Hengerveld De Kol.....	5	485.5	26.04
BD Beauty Rauwerd Hengerveld.....	4	555.3	24.42
G Clothilde Fay De Kol.....	3	513.5	23.60
BD Ophelia De Kol 2d.....	4	460.1	22.85
D Countess De Kol Bellewood.....	4	456.1	22.17
D Ophelia De Kol Hengerveld.....	5	534.4	22.05
BD Brighton Ophelia De Kol.....	4	537.5	22.00
D Blanche De Kol Hengerveld.....	4	534.6	22.00
BD Beauty Rauwerd De Kol.....	4	550.8	21.97
D Countess Sanesta Madonna.....	3	456.1	20.25
D Bawn De Kol Hengerveld.....	3	510.4	19.29
BD Monk Lyons Ophelia 2d.....	6	421.1	18.73
BD Lucy De Kol Mac.....	3	457.5	18.67
D Countess Bellewood De Kol.....	3	386.8	18.54
G Fay Nudine De Kol.....	4	464.5	18.46
D Buckeye Lass Countess.....	3	437.8	17.40
G Nudine De Kol Hengerveld.....	3	435.9	17.18
BD Countess Verbelle.....	3	388.4	15.73
Beryl Wayne Rouble De Kol.....	1	350.1	14.96
G Countess Rauwerd De Kol.....	2	353.7	14.39
B Hartog Mutual De Kol.....	1	329.3	11.03
D Gerster Ida De Kol.....	2	327.8	13.61
BG Lucy Clothilde Frenesta 2d.....	2	283.5	10.76
G Ophelia Mutual Pietertje.....	2	258.4	10.70
D Countess Barwn Buckeye.....	2	238.2	10.76

This makes 28 cows in all, and their records average 19.28 lbs. of butter for 7 days at an average age of 3.5 years old, while TWENTY-FIVE of them have records that average 20.30 lbs. of butter in 7 days at 3.4 years old. I doubt if any other herd of an equal number of animals can make the same showing.

Of these cows two are six years old, two five years old, eight four years old, nine three years old, five two years old and two one year old, and of these a number are still due to freshen this spring, and there is a reasonable certainty that they will materially increase their records. With a majority of these animals, heifers, I regard this as an exceptional record.

Mutual Pietertje Paul

My herd bulls are **Mutual Pietertje Pau,** who has several daughters in the list, one of them having given over 18 lbs. of butter in 7 days as a two-year old, and he has a number soon to freshen that have every indication of making good records. This bull is sired by De Kol 2d's Mutual Paul, whose daughter, Maid Mutual De Kol, has just completed a record of 30.444 lbs. of butter in 7 days, and he has a number of other A. R. O. daughters with large records. The dam of my bull is Winana Pietertje De Kol, with a 4-year-old record of 25.54 lbs. in 7 days, and is the dam of two cows with records of 24.34 and 22.86 lbs. Her dam is Winana Beets De Kol, with a record of 20.71, and she has two A. R. O. daughters, and is a daughter of Paul Beets De Kol, who has 80 A. R. O. daughters.

Prince Segis Korndyke

My other bull is **Prince Segis Korndyke,** a son of Sir Korndyke Manor De Kol, whose dam, Korndyke Queen De Kol, has a record of 24.42, and her dam, Belle Korndyke, 25.77, while the dam of the bull A. & G. Inka McKinley has a record of 28.98, and her dam, Segis Inka, 28.04, making this bull one of the highest bred animals of the breed.

If buyers wish to secure choice bulls from well-bred stock that are continually increasing their records and value, why is not this a favorable opportunity to secure such an animal? All my calves are strong, healthy, rugged and vigorous, and are well formed and splendidly marked. My price will be found to be reasonable.

I venture to assert that you will not find in any other herd in this country such **uniformity** and **symmetry** as will be found in my herd.

That means that I breed not alone for **production** but for **conformation,** and I feel that I have succeeded in my endeavor.

This herd is stabled at Lakeland, about four miles to the northwest of Syracuse, on the westerly shore of Onondaga Lake, on the shores of which I claim that there are more THIRTY-POUND COWS than on the shores of any other lake in the world.

The Syracuse, Lake Shore and Northern Ry. runs close to my stables, a station being located within a few rods of the buildings, and cars go and return on a thirty-minute schedule.

My office is located in the business center of the city and visitors are welcomed either at the office or the farm at any time.

Correspondence with interested parties is solicited and will be promptly answered.

Wing R. Smith

No. 37 & 38 Wieting Block, - Syracuse, N. Y.

A Journal for the Holstein Friesian, the Dairyman and the General Farmer. Entered at the Ithaca (N. Y.) Postoffice as second class mail matter.

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Editor and Publisher,
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DEPARTMENT OF ANIMAL HUSBANDRY.
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H. A. HOPPER, M. S....Purdee Univ., Ind.
THE STUDY TABLE.
SOLOMON HOXIE.....Ithaca, N. Y.
INFECTIOUS DISEASES OF CATTLE.
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The date on the yellow mailing tag attached to the wrapper of each paper indicates the time to which subscription is paid.

When a subscriber wishes his subscription discontinued he should notify this office.

Approved cuts of meritorious Holstein-Friesian Animals, when furnished, will be published free of charge.

If photographs are sent, cuts will be charged for at cost price.

Advertising rates sent on application.

Remittances should be made by draft, postoffice or express money orders. Money orders and drafts should be made payable to

C. G. BROWN.

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Special Offer The Holstein-Friesian World will be sent anywhere in the United States one entire year, as a trial subscription, for 50 cents, paid in advance. To all other points the regular $1.00 rate will prevail. So long as this offer is published any subscriber will be credited four months on his subscription, or his herd will be published for four months in the Breeders' Directory, for every new subscription sent in, accompanied by the price as per above.

Editorials.

Sheets. You have heard of "Three Sheets in the Wind"? Well, I met one of them at the Cleveland sale—J. H. Sheets, of New Berlin, Ohio—there is no danger of his blowing away. He is one of those whole-souled Westerners that it cures the blues to meet—wears one of those smiles that never come off; broad-minded, in fact, broad everyway. Mr. Sheets subscribed for the Holstein-Friesian World on discretion.

By the way, he purchased of Davis Brothers, Clifford, N. Y., one of the most promising young sires in the East—Admiral Pontiac De Kol—to head his herd of Holstein-Friesians. Two or three years from now the old bucks and the young bucks of the Buckeye State will be going to Mr. Sheets when they want fancy breeding. This is no dream.

Speaking of hogs reminds me of a statement that Mr. Sheets made when we were at the Yates the evening after the first day of the sale. I am not afraid that Mr. Sheets will stop his paper if I do tell—he paid for it in advance. Some of you people who can make a square meal on Uneda biscuits and hot water may think that I am romancing, but Mr. Sheets said that he and his father (I think there were three other "silent" members of the family) got outside of thirteen of these squealing artiodactyls last year. I refer all incredulous persons to Wing R. Smith. I may as well tell it all, now that I have got started. Mr. Sheets said, "I like pork." I am a pork-eater myself, but I always stop short of thirteen, because—thirteen is an unlucky number.

When I was a boy and lived at home down in old Chenango county, N. Y., we always raised some porkers, but we didn't think a hog was a hog unless it would dress four hundred pounds or over. Now I am inclined to think that the hogs that Mr. Sheets and his father "et" were hogettes.

If Wing R. Smith didnt' set me up to tell this, there didn't anybody.

A Criticism and Rejoinder.

Boston, Mass.,
2, 26, '08.

Holstein - Friesian World:

I desire to have you discontinue sending me the Holstein-Friesian World. I was under the impression when I subscribed for your paper that I would get a journal devoted to the breed of cows represented by the name of your paper.

I did not expect to get a paper wherein the editor would also devote part of the space to an expression of his religious views that were so absolutely narrow and showed such a lack of Biblical knowledge that they were ridiculous, particularly in a person that pretended to have literary knowledge and write for any sort of a publication.

I don't think that you, or your assistant, who has charge of the "Study Table," will increase the circulation of your paper very much by trying to force your narrow views on your readers. Very truly,

———.

2, 27, '08.

Dear Mr. ————:

Replying to yours of the 26th inst., will say I have stricken your name from the mailing list of the H.-F. World as requested. I would hardly take the time to write you but for two reasons: You do not do yourself credit by speaking slightingly of S. Hoxie, the writer of our "Study Table" articles. Whether you may be aware or not, he was for twenty years the honored and respected Superintendent of the Advanced Registry of the Holstein-Friesian Association of America. I know of no man of more sterling honesty and uprightness of character than S. Hoxie. He is probably held in higher esteem by Holstein-Friesian breeders generally than any other man in the association. To be classed with him by you or anyone I consider a high compliment.

I will add that my measure of a "really broad-minded man" was not taken with a Biblical tape line, but was from my knowledge of the views of such men, and the teachings of science. I would suggest that you may have got your telescope reversed.

In closing I beg to inform you that your discontinuance will not cripple the paper, and we do not consider that because you do not measure up to our ideal of a broad-minded man we need to change our ideal, or the policy of the paper. You will miss many good things by not having the Holstein-Friesian World.

With best wishes and kindest regards, I remain most sincerely and cordially yours, CHAS. G. BROWN.

The Holstein-Friesian World has never agreed to exclude any topic from its pages. The editor has never asked permission to publish his views, and does not require that anyone accept them. If anyone doesn't like the paper he is at liberty to pay up and "skiddoo."

"Are They Content?" R. B. Swift, a Jersey dairyman of Libertyville, Ill., has an article in the Jersey Bulletin of February 19th. Of course he extols and eulogizes the Jersey cow, but his admissions nevertheless are most significant. We will quote two or three paragraphs taken from different parts of this article:

"It is milk, however, that we must have if the Jersey is to get any hold in the dairies around Chicago, where the Holsteins and grade dairy cows are practically all that are to be found."

"I figure it out about like this: Our Jersies are par excellence the family cow, the butter cow and the cow for the high class dairy that has a special trade calling for a superior article of milk and cream. We must, however, if we wish to get them into the average dairies where milk is produced for the general trade, breed them to produce a larger amount of milk even if they drop down in butter fat somewhat."

"I would like to hear from a number of your old and staunch Jersey breeders whether they are content with the place the Jersey cow now fills, and whether anything can be done to get her into the large dairies where milk is

M. S. Nye of Pleasant View Stock Farm, Preble, N. Y.

offers for sale two more bull calves sired by Aaggie Cornucopia Johanna Lad, Jr., 36974 (look at breeding given in last issue): one was born Nov. 14th, 1907: his dam is Dora Dot Ononis (cut in this issue,) price $200. The other was born Nov. 1st, 1907, dam, a sister of Dora Dot Ononis. She has just made a record at 3 years of 21.82 lbs. of butter in seven days. She has 24 A. R. O. sisters. The calf's dam and sire's dam have 104 A. R. O. sisters, price $125. They are first class in every respect.

produced for the general trade."

Coming from a Jersey dairyman and breeder, and from the Jersey Bulletin, these admissions are more than significant, they are oracular and prophetic.

There seems to be a tendency, more or less marked, among Holstein-Friesian breeders to breed for a higher percentage of butter fat. With our Jersey friends breeding for an increased flow at the expense of fat per cent., our Holstein breeders should see that to increase per cent. at the expense of milk flow is proceeding in the wrong direction. The Holstein-Friesian cow is pre-eminent because of her enormous flow of milk. To reduce her flow in order to increase her per cent. of butter fat would tend to destroy her pre-eminence and reduce her to the common level of other breeds.

The Hart Casein Test. Bulletin No. 156 of the Wisconsin Experiment Station, edited by E. B. Hart, gives an account of a simple casein test. This test is nearly as simple as the Babcock fat test, and is performed in a quite similar manner. The centrifuge is used, but specially prepared glassware and different reagents are required. The percentage of casein is read from the graduated neck of the bottle in the same manner as the butter fat is read in the Babcock test. The bulletin gives the full details for making the test. Chloroform is used for dissolving the fat ,and ascetic acid for curdling the casein, especial care being necessary as to temperature and time of rotation, etc.

Many statements of especial interest to the dairyman are found in this bulletin. For instance, we read as follows: "In the milk of individual cows there is certainly no definite and constant relation between the amounts of fat and casein. One animal may yield a milk containing 2.7 per cent. of casein and 6 per cent. of fat, while another produces a milk of 2.7 per cent. casein and 4 per cent. of fat, and still another, a milk carrying 3.5 per cent. of casein and 6 per cent. of fat. These figures are actual ananlyses of milk of individual cows in the University herd. Expressed in another way, we have milk where for every hundred pounds of fat there may be anywhere from forty-six to seventy-three pounds of casein. Surely it is clear that for cheese production a milk carrying for every hundred pounds of fat seventy-three pounds of casein would yield more cheese than one containing but forty-six pounds of casein. This is not fiction."

Throughout this bulletin is emphasized the importance of this casein test for cheese-makers. Surely we fail to see why it is not just as important to know something about the composition of milk used directly as an article of food. We know that all the tissue-building elements are in the casein, and certainly a milk containing twenty-five per cent. more casein to the same amount of fat is the better milk for raw consumption.

Again we read: "The breeder through the Babcock test has made a butter cow, one where the fat is usually high, and he has done this by selection. It does not seem at all impossible that with a simple casein test the cheese cow can be developed; one where the relation of casein to fat is especially high. Where, for instance, instead of a milk with 73 pounds of casein per hundred pounds of fat, we can produce a milk containing nearer one hundred pounds of casein for one hundred pounds of fat."

We consider this simple casein test as foreshadowing greater benefits in the dairy world than any invention since the invention of the Babcock test. (We consider the air treatment for milk fever as more of a discovery than an invention.) Every breeder and dairyman should send for this bulletin.

NEW ADVERTISEMENTS.

Read the two-page ad of Stevens Bros.-Hastings Company and learn something about their King of Pontiac, one of the greatest sires of the breed.

Woodside Farm offers a good one in this issue of the World. We know you can get him for less than he is worth. Write John B. Marcou, Princeton, Mass.

That account of official records made at Lakeland Farm reads almost like a romance, and yet nothing can be more certainly real. Wing R. mith seems to be "in it" up to his ears.

Clothilde De Kol Alban, 33945, is a show bull and a premium winner. He can also show some fine daughters that are winners. If you want a bull of this kind write to Ralph Corbin, proprietor of Sunrise Herd, Bainbridge, N. Y.

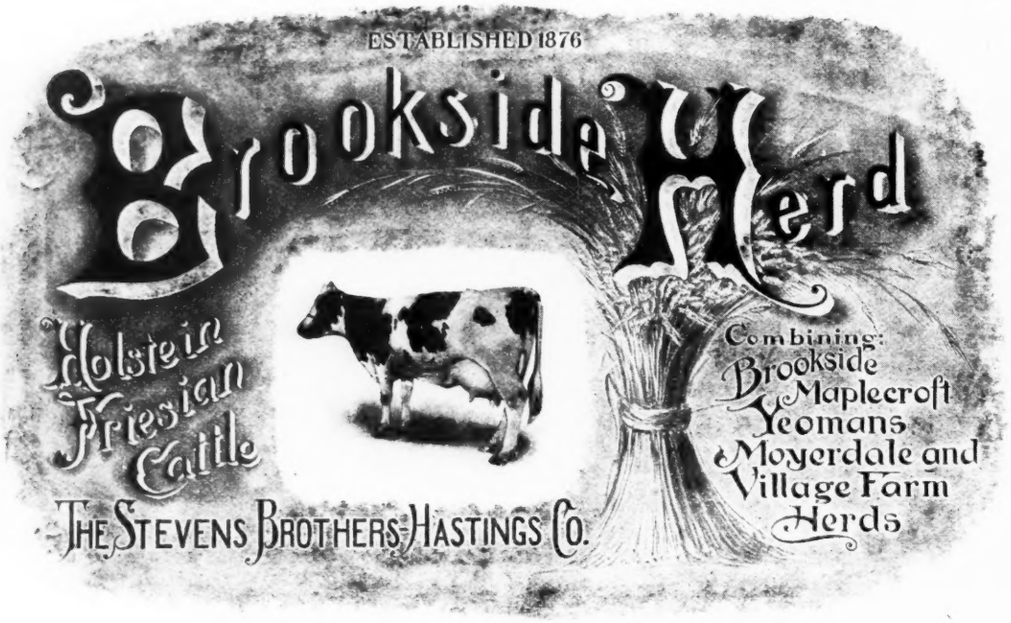
There is no reason why any dairyman should use scrub sires when he can buy a pure-bred registered bull from an A. R. O. dam with a fine record at from $25 to $50. He can do just this of R. P. Kutschbach, proprietor of the Granville farm, Sherburne, N. Y.

Thirty cows at Lakeland Farm closely related to Frenesta Hengerveld De Kol, who recently produced most 26 lbs. of butter fat in seven days. Here is the place to get the blood of Pietertje Hengerveld's Count De Kol. Just drop a line to Wing R. Smith, Syracuse, N. Y.

The Stanley Photo Company, proprietors of the University Art Gallery of Ithaca, N. Y., that have an advertisement in this issue of the World, make the photo engravings for this journal. They will save you 25 per cent. cost and guarantee the work to be as good as the photograph.

And still the measure of our needs
Outgrows the cramping bounds of creeds. —Whittier.

WARD W. STEVENS E. M. HASTINGS RALPH J. STEVENS



Liverpool, N. Y., March 2, 1908

Dear Reader:

In these two pages let us tell you a little about King of the Pontiacs. As his name implies, he is of royal lineage, combining in the closest degree the blood of the two leading Pontiac sires, Pontiac Korngyke and Hengerveld De Kol. Being sired by the former and from a daughter of the latter, he represents exactly the same Pontiac combination as Pontiac Rag Apple (the 31-lb. 4-year-old $8,000 dam of Mr. Averill's $4,000 bull) and other large record daughters of Pontiac Korndyke, whose dams are daughters of Hengerveld De Kol. Following is a list of some of Pontiac Korndyke's daughters that are bred in this way, every one being a three-fourths sister to King of the Pontiacs:

Name	Age y	m	d	Days after calving	lb. milk	lb. butter 80% fat
Pontiac Rag Apple	2	7	12	15	381.4	20.
Pontiac Rag Apple	3	8	4	22	553.6	26.24
Pontiac Rag Apple	4	8	13	11	619.5	31.62
Pontiac Agnes	2	3	13	7	305.	15.35
Pontiac Agnes	3	6	21	29	498.3	22.75
Pontiac Clothilde De Kol 2d	2	0	17	37	383.	16.85
Pontiac Clothilde De Kol 2d	3	1	7	22	516.7	22.1
Pontiac Imperial	1	10	17	64	323.	15.67
Pontiac Imperial	4	4	29	89	430.8	20.01
Pontiac Yankee	2	3	28	13	302.4	16.98
Pontiac Minerva	2	3	23	51	314.	15.02
Pontiac Hesione	2	4	6	126	347.3	14.02

You will note that several of these records Were made a long time after calving.

Pontiac Korndyke's dam, Belle Korndyke, will be 20 years old March 17th. She is still rugged and hearty, and a profitable cow. Throngh her four A. R. O. daughters she is the grandam of several leading A. R. O. sires, including Sir Korndyke Manor De Kol, and

Korndyke Queen De Kol's Prince (sire of our 29.72-lb. 4-year-old, Jannek Albina De Kol 3d). She is grandam also of the young korndyke bull at the head of Henry Stevens & Son's herd.

Pontiac Korndyke's sire, Manor Josephine Dekol, had little chance to get A. R. O. daughters, but among the few that were tested are two 20-lb. 3-year-olds. He was by Empress Josephine 3d's Sir Mechthilde, one of the earlier Brookside Herd sires, who, in his day, was one of the very best. His dam, Empress Josephine 3d, had a private record of over 31 lbs. butter in 7 days. She was a show cow of wide reputation and won high honors in public competitive tests at leading fairs throughout the East and West.

Pontiac Lunde Hengerveld, the dam of King of the Pontiacs is one of the 28-lb. daughters of Hengerveld Dekol. She is a magnificent specimen of the breed--just such a cow as you would select in choosing the dam of a great herd sire. In her 30-day test, she produced 2,405.2 lbs. milk, 114.82 lbs. butter. She is one of 5 A. R. O. sisters (all from the same dam) four of which have made 7-day butter records averaging 23.81 lbs. each.

Pontiac Lunde Hengerveld's sire, Hengerveld's Dekol, we cannot discuss him--it would take a good sized volume to tell about him. He now has over 80 A. R. O. daughters, and 36 of these, that we know of, have made 7-day butter records above 20 lbs. each (one making 20.34 as a yearling), while more than a dozen others, as 2-year-olds, have made 7-day butter records ranging from 15.06 lbs. uo 19.83 lbs. Thus half a hundred daughters of Hengerveld Dekol are either 20-lb. cows or 15-lb. 2-year-olds; and the number is constantly growing.

Pontiac Lunde Hengerveld's dam, Lunde Beauty, made an A. R. O. record, at 23 months old, of 12.15 lbs. butter in 7 days. She has 5 A. R. O. daughters, and through one of these is the grandam of a 22-lb. cow and an 18.63-lb. 2-year-old; her dam has 3 A. R. O. daughters, one of which is the dam of 2 A. R. O. daughters, including our 21-lb. 3-year-old Lunde Dekol 4th. The Lunde strain unites rare individual excellence with remarkable producing and transmitting qualities.

We can offer some very desirable cows and heifers that have been bred to King of the Pontiacs; also young bulls, sired by him, from the following cows:

Name	A.R.O.Record	Dam's Record	Name	A.R.O Record	Dam's Record
Maid Mutual Dekol	34.32	25.62	Small Hopes D.K.3d		
Aaggie Topsy De Kol	29.57	17.25	(22 mo.)	9.54	25.23
Pontiac Ambrosia (3yr)	24.96		Pont.Hesseltje Heng.	21.29	
De Kol Princess Belle	21.53		Aaggie Grace Topsy	22.10	
Helena B.Heng.D.K.2d			Inka Neth. Pauline		20.29
(2 years)	17.45	19.67	Regis Dekol 2d(By Prince Piet.D.K.)		

There is more back of these youngsters than appears in the list given. Two of the dams are by Hengerveld Dekol; Dekol Princess Belle is a daughter of Dekol 2d's Butter Boy 3d, and a full sister to a 25-lb. cow; Aaggie Grace Topsy is from the same dam as our 29.57-lb. Aaggie Topsy Dekol; Helena Burke Hengerveld Dekol 2d's two grandams are Beryl Wayne (27 7-8 lb.) and Helena Burke (25.45 lb); Small Hopes Dekol 3d's dam is a Paul Beets Dekol cow, etc., etc., etc. Write us or come and see the herd, and we will tell you more about these animals.

Very truly yours,

THE STEVENS BROS.-HASTINGS CO.

Home Circle.

EACH IN HIS OWN TONGUE.

"A fire, a mist, and a planet,
A crystal and a cell,
A jellyfish and a saurian
And a cave where the cave men dwell.
Then a sense of law and beauty
And a face turned from the clod,
Some call it evolution,
And others call it God.

"A mist on the fair horizon,
The tender, infinite sky,
The rich, ripe tints of the cornfields
And the wild geese sailing by;
And all over lowland and upland
The charm of the golden rod,
Some of us call it Autumn,
And others call it God.

"Like waves on a crescent sea beach,
When the moon is new and thin,
Into our souls great yearning come,
Welling and surging in;
Come from that mystic ocean,
Whose rim no foot hath trod,
Some of us call it longing,
And others call it God.

"A picket frozen on duty,
A mother starved for her brood,
Socrates drinking the hemlock,
And Jesus on the rood;
And thousands who, humble and nameless,
The straight, hard path have trod,
Some call it consecration,
And others call it God."

—William Herbert Carruth.

SELECTIONS.

Man is born for uprightness.

* * * * *

They who know the truth are not equal to those who love it.

* * * * *

Virtue is not left to stand alone. He who practices it will have neighbors.

—*Confucius.*

CONSCRIPT OF 1813.

A Continued Story.

Translated from the French by the editor of the H.-F. World.

The 15th of January, two months and a half after the battle of Hanau, I awoke in a good bed, at the end of a little room, well warmed; and, looking at the beams of the ceiling above me, then at the little windows where the frost extended itself in white sheaves, I said to myself "It is winter!" At the same time I heard sounds like the booming of cannon and the crackling of fire upon a hearth. At the end of some moments, having turned myself, I saw a young woman, quite pale, seated by the grate, her hands crossed upon her knees, and I recognized Catherine. I recognized also the little room where I had come to pass those happy Sundays before the war. The report of the cannon, which continued to sound in my ears, made me fear that it was all a dream.

For a long time I looked at Catherine, who appeared to me more beautiful than ever; I thought: "Where, then, is Aunt Gredel? How did I come here? Can it be that this is only a dream!"

Finally, taking courage, I called very low:

"Catherine!" Then she, turning her head, cried:

"Joseph . . . you know me?"

"Yes," I said, and held out my hand.

She approached, trembling, and I kissed her. We sobbed together.

As the booming of the cannon came to my ears again I said:

"What do I hear, Catherine?"

"The cannon of Phalsburg."

"The cannon!"

"Yes, the city is besieged."

"Phalsburg? . . . The enemy in France!"

I could say no more. So much of suffering, so many tears, so many men sacrificed upon the field of battle,—all this has resulted only in invasion of our country! During more than an hour, in spite of the joy that I experienced of holding in my arms her that I loved, this dreadful thought did not leave my mind for one second, and even now, old and gray as I am, it returns to me with bitterness. Yes, we have seen this, we of the passing generation, and it is well that the young know it; we have seen the Germans, the Russians, the Swedes, the Spaniards, the English, masters of France, hold garrison in our cities, take whatever they pleased in our fortresses, insult our soldiers, pull down our flag, and divide among themselves the results of our conquests, not only since 1804 but also those of the Republic. This is dear pay for ten years of glory!

But let us speak no more of these things; the future shall judge them. It is said that after Lutzen and Bautzen the enemy offered to leave to us Belgium and part of Holland, all the left bank of the Rhine to Bale, with Savoy and the kingdom of Italy, and that the Emperor refused to accept these conditions,—which nevertheless were very liberal,—because he put the satisfaction of pride above the happiness of France!

To return to my history, fifteen days after the battle of Hanau thousands of conveyances, loaded with sick and wounded, had commenced to pass along the route from Strasburg to Nancy.

Aunt Gredel and Catherine, from their door, watched the passage of this mournful procession; of their thoughts it is not necessary to speak. More than twelve hundred convoys had passed. I was not in any of them. Thousands of fathers and mothers, gathered from leagues around, watched thus along the way. How many returned to their homes without having found their children!

The third day Catherine recognized me in one of these conveyances from among several thousand as miserable as I; their cheeks hollowed, the skin adhering to their bones, and dying of hunger.

"It is he . . . it is Joseph!" cried she from a long way off.

But no one would believe it. It was necessary for Aunt Gredel to look at me a long time before saying: "Yes, it is he. . . . It is our Joseph!"

She had me brought to their house, and watched over me day and night. I wished only water, repeating continuously: "Water! water!" No one in the village believed that I would recover, but the good air of my native country and the good care of loved ones saved me.

About six months afterwards, the 15th of July, Catherine and I were married. M. Goulden, who loved us as his children, made me partner in his business. We lived all together in one house, and were the happiest people in the world.

For a time the war was ended, and gradually the Allies returned to their own countries. The Emperor had departed for the Island of Elba and King Louis XVIII gave us reasonable liberties. Once again had returned a time of peace, of labor and love. One could hope in the future; one could believe that each with diligence and economy might achieve success and gain the esteem of honest people, and provide for his family without fear of being taken by the conscription.

M. Goulden, who was not well pleased at seeing the ancient royalty and nobility return, thought, nevertheless, that these people had suffered enough in foreign countries, to comprehend that they were not the only people in the world, and would respect our rights. He thought also that the Emperor Napoleon would have the good sense to keep quiet, but he was mistaken; the Bourbons had returned with their old ideas, and the Emperor awaited only the moment of taking his revenge.

This was yet to bring us many miseries, and I would recount them with pleasure if this history did not appear to me sufficiently long. We will then stop here at the beginning of the new order of things. If people say to me that I have done well in writing my campaign of 1813, that it tends to enlighten the youth regarding the vanities of military glory, and show them

Moyerdale Herd of High Class Holstein-Friesian Cattle.

KING SEGIS NO. 36168 AT THE HEAD OF THE HERD

THE KING OF ALL SIRES at 4 years old and the youngest Sire of the breed to have two junior two-year-old 20-lb. daughters.

THE ONLY SIRE OF THE BREED whose first 4 daughters as junior two-year-olds have records that will average greater than 19 lbs. each.

THE QUESTION OF DOUBT HAS ENTIRELY DISAPPEARED as to KING SEGIS' ability to sire 20-lb. cows.

BUYERS OF KING SEGIS' GREATEST BRED SONS last year have been able to double their money of late on their purchases.

I HAVE 3 SONS OF KING SEGIS, which will be old enough for service this spring, for sale, when these are gone, there will be no chance for any more for one year to come.

I HAVE 40 DAUGHTERS OF KING SEGIS in my herd, 12 of them due to freshen in March, April and May and all will be tested and if they do as well as the first four daughters have, it will make a phenominal sire of KING SEGIS.

ALL OF HIS SONS are bound to double in value during the next year.

DO NOT MISS THE OPPORTUNITY of getting the benefit of this advance.

H. A. Moyer, Syracuse, N. Y. - James Gillette, Supt.

that one is never made more happy than by peace, liberty and labor, then will I take up the sequence of these events and will recount to you WATERLOO.

The End.

Summary of Official Records from Jan. 26th to Feb. 14th, 1908.

Unless otherwise mentioned, these records are for a period of seven consecutive days. They are made under the careful supervision of State Agricultural Colleges and Experiment Stations, and their accuracy is vouched for by them; no private records are reported by the Holstein-Friesian Association.

During the period from January 26th to February 14th, 1908, records for 123 cows were accepted, of which three were begun more than eight months after calving. Of the 120 ordinary records reported, four were extended to fourteen days and seven to thirty days. The averages by ages were as follows:

Forty-one full aged cows averaged: age, 6 years, 5 months, 16 days; days from calving, 30; milk, 458.6 lbs.; per cent. fat, 3.37; fat, 15.465 lbs. Eight senior four-year-olds averaged: age, 4 years, 9 months, 8 days; days from calving, 42; milk, 429.4 lbs.; per cent. fat, 3.42; fat, 14.694 lbs. Thirteen junior four-year-olds averaged: age, 4 years, 2 monhts, 11 days; days from calving, 38; milk, 392.4 lbs.; per cent. fat, 3.23; fat, 12.684 lbs. Fourteen senior three-year-olds averaged: age, 3 years, 9 months, 17 days; days from calving, 29; milk, 403.1 lbs.; per cent. fat, 3.41; fat, 13.762 lbs. Eighteen junior three-year-olds averaged: age 3 years, 2 months, 17 days; days from calving, 35; milk, 380.1 lbs.; per cent. fat, 3.38; fat, 12.856 lbs. Nine senior two-year-olds averaged: age, 2 years, 8 months, 4 days; days from calving, 59; milk, 327.4 lbs.; per cent. fat, 3.50; fat, 11.459 lbs. Seventeen junior two-year-olds averaged: age, 2 years, 0 months, 25 days; days from calving, 35; milk, 289.5 lbs.; per cent. fat, 3.27; fat, 9.471 lbs.

This herd of 120 animals of all ages produced in seven consecutive days 47,691.5 lbs. of milk containing 1,604.725 lbs. of butter-fat, showing an average of 3.36 per cent. fat. The average yield for each animal was 397.4 lbs. of milk, containing 13.373 lbs. of butter-fat, equivalent to 56.8 lbs. or 27 quarts milk per day, and 15.6 lbs. of the best commercial butter per week.

Interest in this issue of the official reports will largely center on the sensational production of the junior three-year-old heifer, Alma Coin Hengerveld De Kol; the addition of another cow to the list of Holstein-Friesian cows capable of producing 28 lbs. of the best commercial butter in one week; the breaking of the records for butter-fat production in the Junior Three-year Class of the Seven-day Division, and in both the Senior and Junior Three-year Classes of the 30-day Division; and in the fact that one Holstein-Friesian breeder has been able to make records in excess of 21 lbs. butter fat from five cows all in test at the same time, and two of them three-year-old heifers.

As a rule, the results obtained in the verification test known as the re-test are not published, although it is customary to thus double verify all large records; but in so remarkable a case as this it seems fitting that the public should know that each of these cows was, in addition to the strict regular official test, kept under constant watch night and day, two supervisors being on duty, for a period of from one to three days, and the results of the verification test will be given with the mention of each cow. The attention of the dairy and agricultural press is invited to the manner in which the Holstein-Friesian Association further verifies its records already made under the strictest of rules.

First in the aged cow class stands Lillian Walker Pietertje, 24.006 lbs. fat from 611.6 lbs. milk in 7 days, 100.260 lbs. fat from 2,597.7 lbs. milk in 30 days, making her the tenth H.-F. cow that has produced over 24 lbs. of butter-fat in 7 days, and sixth among seven that have produced over 100 lbs. of fat in 30 days. She was under verification test at two different times, producing the first time 3.38 lbs. of fat in one day, or at the rate of 23.66 lbs. per week, and 6.833 lbs. fat in two days the second time, or at the rate of 23.912 lbs. per week. Bessie Hamilton 2d follows with 23.266 lbs. of fat from 506.1 lbs. milk in 7 days and 91.722 lbs. fat from 2,137.2 lbs. milk in 30 days. She was under verification test one day, producing 3.198 lbs. fat, or at the rate of 22.386 lbs. per week. Mildred Walker is third, with 21.528 lbs. fat from 604.8 lbs. milk in 7 days and 85.421 lbs. fat from 2,428.8 lbs. milk in 30 days. She was under verification test for two days, producing 6.175 lbs. fat, or at the rate of 21.609 lbs. per week. Madrigal of Belmont, with 20.747 lbs. fat from 610 lbs. milk, makes a fine showing and gains a place in the 20-lb. class; while Spring Brook Burke and Mercena Schuiling each produce above 18 lbs. fat and gain honorable mention.

Bertha De Kol Boon, 19.275 lbs. fat from 574.9 lbs. milk in 7 days and 76.638 lbs. fat from 2,272.9 lbs. milk in 30 days, leads the senior four-year-olds, while Clothilde Nellie, 16.015 lbs. fat from 443.4 lbs. milk, is at the head of the junior four-year-olds. The leaders of the Senior Three-year Class are strong, headed by Daisy Pietertje Hartog 2nd, 21.901 lbs. fat from 530.1 lbs. milk in 7 days and 88.568 lbs. fat from 2,291.5 lbs. milk in 30 days, which gives her third place in the Seven-day Division for fat, and breaks the butter-fat record in the Thirty-day Division. She was under verification test one day, producing 3.164 lbs. fat, or at the rate of 22.148 lbs. per week. Pride of Maplehurst stands second, with 18.725 lbs. fat from 607.2 lbs. milk, while Jamaica Veeman 4th and Lady Oxford Netherland of Hollins make fine records of 17.948 lbs. fat and 17.159 lbs., respectively.

Katy Spofford Corona, 20.822 lbs. fat, has for many years held the record for both fat and milk in the Junior Three-year Class of the Seven-day Division, and while she still holds the record for milk, that for fat now passes to the wonderful three-year-old Alma Coin Hengerveld De Kol. This heifer produced the extraordinary amount of 23.072 lbs. fat from 577.1 lbs. milk in 7 days and 92.245 lbs. fat from 2,370.5 lbs. milk in 30 days, breaking the record for fat in both the 7-day and 30-day

Official Records of Holstein-Friesian Cows

123 Cows **From January 26, to February 14, 1908.**

NAME OF COW AND OWNER.	Age y.	m.	d.	Days from Calving.	Consecutive Days.	Milk, lbs.	Average per cent. fat.	Butter fat lbs.
Lillian Walker, 64169, A. A. Hartshorn	5	8	25	12	7	611.6	3.92	24.006
	6	8	25	4	30	2,597.7	3.86	100.260
Bessie Hamilton 2d, 75496, A. A. Hartshorn	5	3	20	8	7	506.1	4.60	23.266
	5	3	20	4	30	2,137.2	4.29	91.722
Mildred Walker, 66239, A. A. Hartshorn	5	3	19	12	7	604.8	3.56	21.528
	5	3	19	4	30	2,428.8	3.52	85.421
Madrigal of Belmont, 61975, J. B. Irwin	8	0	23	37	7	610.0	3.40	20.747
Spring Brook Burke, 52921, Joel P. Heatwole	8	1	3	26	7	657.8	2.76	18.167
Mercena Schuiling, 76115, James Rettie	6	2	5	13	7	511.6	3.53	18.052
Rose of Howell, 51722, E. P. Gregory	10	10	3	8	7	460.3	3.87	17.791
Fairview Kaan Marie Mechthilde, 59198, A. L. Williams	6	4	15	7	7	362.9	4.90	17.775
Leland Maid, 61312, Tompkins Wright	6	2	16	38	7	511.7	3.34	17.109
Madge Clothilde Goudgeld, 64856, H. W. Hartshorn	5	1	5	11	7	452.8	3.73	16.895
Florence Jewel De Kol 2d, 61234, W. B. Barney & Co	6	2	29	14	7	514.5	3.26	16.786
Tirania Johanna, 63475, O. U. Kellogg	5	7	20	73	7	455.2	3.65	16.629
Sylva Netherland 4th, 60206, W. F. Scott	6	11	24	10	7	578.4	2.86	16.533
Blackness De Kol, 62955, C. W. Loomis	5	3	20	14	7	488.5	3.36	16.396
Princess Caroline, 77781, R. J. Schaefer	7	5	13	13	7	463.6	3.34	15.503
Princess Amy De Kol, 61015, J. H. Mead	6	3	6	7	7	447.9	3.45	15.447
Caroline Paul, 77783, R. J. Schaefer	6	6	17	22	7	400.4	3.82	15.277
Johanna Mercedes, 66888, A. L. Williams	5	0	27	25	7	459.3	3.32	15.248
Pontiac Peace, 53434, Eastern Michigan Asylum	7	7	2	12	7	411.1	3.65	14.994
Countess Beck, 77490, R. J. Schaefer	7	11	15	9	7	399.5	3.72	14.860
Pride of Earlville's De Kol, 53988, A. O. Poole	7	0	7	73	7	419.6	3.53	14.815
Indi Surprise De Kol, 62699, F. W. Allis	5	0	10	42	7	469.3	3.13	14.695
	5	0	10	36	14	903.7	3.07	27.758
Fanny Keyes Paul, 53797, C. F. Hunt	7	8	25	29	7	477.5	3.05	14.576
Skylark De Kol, 62230, J. B. Irwin	5	11	22	63	7	446.4	3.25	14.491
Daisy Queen Jewel, 76814, John Erickson	6	1	13	67	7	413.8	3.49	14.448
Rogersville Belle, 61235, Tompkins Wright	6	2	29	45	7	435.0	3.22	14.018
Netherland Colantha Jewel, 76815, John Erickson	6	1	17	15	7	442.2	3.12	13.812
Jennie Pauline De Kol, 51079, Joel P. Heatwole	8	8	22	80	7	453.2	3.02	13.694
Jessie Ward 2d, 63105, H. L. Bronson	5	9	25	12	7	424.1	3.17	13.444
Heegstra Colantha De Kol, 52570, H. L. Bronson	8	0	29	6	7	470.0	2.85	13.409
Calliope Pauline De Kol, 58360, M. J. McPherson	6	1	6	58	7	427.8	3.07	13.114
Lady Kaastra, 58884, John B. Irwin	5	1	27	78	7	398.1	3.28	13.038
Hillside Dorothy, 81355, I. J. Foster	6	4	13	43	7	413.1	3.14	12.959
Mildred De Kol Creamelle, 63448, D. W. Field	5	7	12	13	7	405.3	3.17	12.832
Silver Queen Pauline De Kol 2d, 64085, J. M. McPherson	5	0	29	47	7	423.4	3.03	12.827
Pauline Pet Clothilde, 62036, E. C. Rindge	6	1	5	36	7	479.3	2.64	12.661
Jennie Pietertje De Kol, 49877, H. G. Whitney	8	10	4	50	7	397.9	3.15	12.540
Kiatta Edkje Pauline, 62520, Mayhugh Bros	5	6	25	11	7	465.8	2.69	12.530
Lassie Burke, 48688, H. G. Whitney	9	2	19	35	7	363.8	3.39	12.338
Ferndale Inka 2d's De Kol, 59865, A. L. Williams	5	9	20	17	7	369.4	3.31	12.234
De Kol Beets, 62061, H. L. Bronson	6	0	6	16	7	301.4	4.04	12.163
Bertha De Kol Boon, 67651, Frank Backman	4	9	18	15	7	574.9	3.35	19.275
	4	9	18	6	30	2,272.9	3.37	76.638
Appoline Pietertje De Kol, 68634, Frank Backman	4	8	4	78	7	483.1	3.28	15.887
Lady Rowena Clyde, 69968, E. E. Poole	4	7	23	25	7	383.7	4.03	15.473
Pontiac Leila, 65762, Eastern Michigan Asylum	4	7	18	19	7	411.1	3.70	15.195
Snow Flake Aaggie Pauline, 66263, F. & H. D. Roe	4	9	9	66	7	443.5	3.05	13.524
Netherland De Kol B., 66886, F. & H. D. Roe	4	9	15	72	7	381.1	3.41	13.004
Countess Nonpariel De Kol, 67595, W. F. Schilling	4	11	8	47	7	453.4	2.87	13.001
Millie Jewel Johanna, 63408, A. A. Cortelyou	4	10	25	13	7	324.5	3.76	12.195
Clothilde Nellie, 73897, H. A. Prescott	4	1	15	20	7	443.4	3.61	16.015
Countess Beryl Clothilde De Kol, 70906, I. J. Foster	4	5	21	47	7	495.0	3.09	15.309
Pauline De Kol Aaggie Netherland, 70932, A. A. Hartshorn	4	5	12	23	7	426.1	3.50	14.932
Rogersville Belle 2d, 70243, A. L. Williams	4	2	1	5	7	407.2	3.63	14.764
Lillian Ekster, 65370, Sackett Hart	4	4	12	90	7	440.0	3.19	14.007
Adventuress 3d's De Kol 3d, 74515, E. E. Poole	4	2	20	21	7	395.8	3.13	12.384
Ononis Monarch Paul Concordia, 71784, M. S. Nye	4	3	25	34	7	384.3	3.02	11.620
Olney De Kol, 72146, E. P. Gregory	4	3	14	7	7	334.9	3.42	11.444
Madam Johanna, 70240, A. L. Williams	4	0	14	32	7	384.9	2.95	11.361
Gypsie Jane De Kol, 72005, H. W. Norton	4	0	19	30	7	316.6	3.45	10.911
Pietertje Queen Pauline De Kol 2d, 72296, F. & H. D. Roe	4	0	11	68	7	410.0	2.63	10.793
Hadley Bess De Kol, 72265, Dewey C. Pierson	4	0	3	54	7	310.1	3.47	10.755
Wakatomica Pietertje De Kol, 72319, Frank Backman	4	0	5	63	7	352.3	3.01	10.600
Daisy Pietertje Hartog 2d, 71501, A. A. Hartshorn	3	11	21	10	7	5.301	4.13	21.901
	3	11	21	7	30	2,291.5	3.87	88.568
Pride of Maplehurst, 74905, F. & H. D. Roe	3	10	14	20	7	607.2	3.08	18.725
Jamaica Veeman 4th, 74102, Gardner & Misner	3	9	9	8	7	506.9	3.54	17.948
Lady Oxford Netherland of Hollins, 72209, Hollins Institute	3	11	2	10	7	378.6	4.53	17.159
Mutual Friend Korndyke, 73168, N. B. Scott	3	11	5	12	7	446.6	3.76	16.802
Wadmantje Queen De Kol, 75389, Mayhugh Bros	3	9	22	27	7	387.3	3.14	12.179

Princess Jane Mercedes, 90846, John Erickson	3 6 8	33	7	372.9	3.25	12.125
Peerless Edgely Girl 4th, 76594, Geo. T. McNeil	3 10 4	4	7	330.9	3.51	11.610
Coloma Beauty De Kol Maid, 86188, Dewey C. Pierson	3 10 0	74	7	344.7	3.26	11.230
	3 10 0	74	14	671.5	3.30	22.136
De Kol Butter Girl, 72247, F. & H. D. Roe	3 8 29	81	7	412.4	2.71	11.182
Princess Clothilde De Kol Johanna, 75439, Geo. T. McNeil	3 7 17	79	7	350.8	3.09	10.846
Coloma Beth De Kol, 86574, Dewey C. Pierson	3 10 6	24	7	308.4	3.43	10.592
	3 10 6	23	14	609.2	3.43	20.891
Penelope Manor, 74615, The O. C. Smith Co	3 10 3	7	7	311.5	3.27	10.199
Alta Pietertje De Kol Johana, 77154, G. T. McNeil	3 7 7	12	7	354.4	2.87	10.163
Alma Coin Hengerveld De Kol, 78769, A. A. Hartshorn	3 3 26	10	7	577.1	4.00	23.072
	3 3 26	4	30	2,370.5	3.89	92.245
Johanna Rue Lady Colantha, 75387, W. W. Cheney	3 1 29	25	7	452.8	3.70	16.743
Appoline Idyl, 79081, Frank Backman	3 2 26	28	7	421.8	3.44	14.520
	3 2 26	11	30	1,693.6	3.42	57.918
Pontiac De Jong, 73018, Eastern Michigan Asylum	3 1 20	44	7	387.2	3.63	14.056
Onda Crown De Kol Vale, 78329, M. S. Nye	3 2 25	21	7	449.9	3.09	13.900
De Kol Netherland Pietertje, 79018, W. W. Cheney	3 2 1	20	7	386.9	3.40	13.148
Caroline Hengerveld Piebe, 77776, R. J. Schaefer	3 5 13	9	7	348.7	3.74	13.031
Florence Pietertje Beets De Kol, 79550, W. A. Carr	3 2 27	14	7	334.5	3.87	12.921
Wooderest Pietertje Burke De Kol, 76255, I. J. Foster	3 0 21	40	7	382.9	3.27	12.530
Wakatomica Nell Shadeland, 79010, Frank Backman	3 0 10	30	7	333.6	3.67	12.257
Clothilde Belle Jolie De Kol, 77890, F. & H. D. Roe	3 2 26	75	7	392.9	2.95	11.607
Foekje 3d's Maplecroft Maid, 77668, E. E. Poole	3 5 3	26	7	353.8	3.25	11.485
Catrina 7th's Netherland 3d, 79334, C. H. Fitch	3 2 3	30	7	356.2	3.21	11.418
Abbie Wayne Cornucopia De Kol, 74539, M. J. McPherson	3 1 20	32	7	390.3	2.89	11.293
Inka Butter Girl, 72149, F. & H. D. Rose	3 4 25	124	7	335.7	3.31	10.440
Pauline Calamity Surprise, 74855, F. W. Allis	3 5 1	37	7	326.0	3.11	10.143
Crown Delilah Johanna, 83622, I. J. Foster	3 0 5	35	7	317.4	3.10	9.842
Coloma Maid De Kol, 80556, Dewey C. Pierson	3 0 3	33	7	293.7	3.07	9.006
	3 0 3	33	14	586.2	3.06	17.920
Lady Jessie Aaggie De Kol 2d, 83238, Gardner & Misner	2 9 20	6	7	400.0	3.72	14.894
Gracie De Kol Ormsby, 78058, J. B. Irwin	2 11 0	32	7	408.9	3.29	13.454
Pontiac Helen, 79908, Eastern Michigan Asylum	2 6 10	62	7	334.3	3.63	12.147
Brookside Calamity Jane Paulis, 84186, A. A. Hartshorn	2 7 11	8	7	276.0	4.31	11.892
Eva Mercedes De Kol, 94051, John Erickson	2 8 27	33	7	311.9	3.62	11.282
Crown Leda Abronia, 78971, I. J. Foster	2 6 6	147	7	318.4	3.31	10.553
Crown Hengerveld Paladin, 83621, I. J. Foster	2 6 13	145	7	301.7	3.42	10.306
Concordia Pietertje Beets, 81046, The O. C. Smith Co	2 10 13	24	7	339.4	2.79	9.464
Pauline Decker Maid, 79647, E. P. Gregory	2 10 30	73	7	255.8	3.57	9.143
Highland De Kol Korndyke, 90951, W. A. Carr	2 1 14	59	7	338.2	3.68	12.444
Maid of Steuben, 87378, Davis Bros	1 9 17	24	7	348.6	3.27	11.416
Crown Korndyke Pet De Kol, 88647, I. J. Foster	2 1 18	41	7	379.1	2.99	11.329
Lottie Abbekerk, 87376, Davis Bros	2 2 14	6	7	310.7	3.58	11.122
Netherland Shadeland 3d, 87370, Davis Bros	2 1 17	14	7	331.3	3.17	10.498
Winana De Kol Burke, 81367, H. G. Whitney	2 0 20	11	7	292.8	3.42	10.030
Lotta Belle De Kol, 87371, Davis Bros	2 1 7	14	7	285.3	3.49	9.944
Lieuwkje Cornucopia Veeman De Kol 2d, 87630, Gardner & Misner	2 0 12	46	7	302.1	3.28	9.907
Dora Dot Ononis 2d, 86447, M. S. Nye	2 4 12	18	7	329.8	2.78	9.164
Johanna Theresa 2d, 90779, A. L. Williams	1 9 11	35	7	291.5	3.10	9.044
Petronella of Hollins, 84959, Hollins Institute	1 11 2	7	7	248.4	3.50	8.703
Idyl Nell, 87873, Frank Backman	2 1 8	14	7	258.0	3.35	8.633
Johanna Clothilde 3d's Pet, 87417, A. C. Demerit & Son	2 2 10	14	7	240.1	3.56	8.548
Hope Johanna De Kol, 80055, M. S. Nye	2 3 1	29	7	232.2	3.44	7.990
Holilns Aaggie Artis, 84960, Hollins Institute	1 9 13	67	7	222.7	3.38	7.526
Anza Calamity De Kol, 86576, Dewey C. Pierson	2 1 15	95	7	258.5	2.87	7.417
Bessie De Kol Clothilde 2d, 86853, E. C. Rindge	2 0 16	109	7	251.4	2.91	7.306
Record Begun at Least Eight Months After Calving.						
Minita Inka, 64614, J. B. Irwin	4 6 5	246	7	270.9	3.36	9.095
Prior record				505.8		14.482
Wooderest Meta Vernon De Kol, C. H. Fitch & Sons	2 3 3	282	7	239.6	3.27	7.829
Prior record				290.7		9.129
Aaggie Pietertje Piebe, 82628, M. S. Nye	2 1 23	250	7	245.2	2.99	7.327
Prior record				369.1		11.306

MALCOLM H. GARDNER, Supt. Advanced Registry. Delavan, Wis.

divisions. She was under verification test for two days, producing 6.673 lbs. fat, or at the rate of 23.352 lbs. per week. Johanna Rue Lady Colantha makes a good record of 16.743 lbs. fat from 452.8 lbs. milk. Lady Jessie Aaggie De Kol 2nd, 14.894 lbs. fat from 400 lbs. milk, leads the senior two-year-olds, and Highland De Kol Korndyke, 12.444 lbs. fat from 338.2 lbs. milk, is at the head of the junior two year-olds.

Transfers.

List for Week Ending Dec. 21, 1907.

COWS.

NORTH DAKOTA.

Topsy Marie De Kol, John B. Irwin to G. B. Cameron, Aneta.

OHIO.

Cornucopia Wahabee, Flossie Dawn Empress, Maggie Jewel Wahabee and Wahabee De Kol Jewell, C. L. Ober to David Robinson, Chagrin Falls.

Fraulein De Kol Oosterbaan, Maud Thorndyke Oosterbaan and Scotia Pauline Oosterbaan, J. H. Stevens to A. C. Messenger, Burton.

Aaggie Hengerveld Nudine, S. A. Rummel to B. N. Millen, Columbiana.

Adventuress Beauty, F. H. Wilkin to Will T. Green, Pataskala.

Bessie More 2d, Anson Hyde to Esther A. Horr, Wellington.

Butter Boy Rose Pleiades, L. O. Wheeler & Son to Frank P. Sutliff, Wellington.

Como De Kol De Vries, E. E. Russell to Fox & Done, Welshfield.

Como Della De Kol, E. E. Russell to Fox & Gardner, Welshfield.

Como Upland De Kol, E. E. Russell to C. B. Kelley, Welshfield.

Corono Spofford Pauline Paul Pet, P. B. McLennan to Cyrus Hover, Lima.

Cynthia Gisela, F. H. Wilkin to Will T. Green, Patsakala.

Daisy Allen 2d's Clothilde, O. C. Smith Co. to F. P. Sutliff, Wellington.

Dinah Clothilde De Kol, J. C. Doolittle & Son to Frank P. Sutliff, Wellington.

Espero 3d, W. J. Kinch to William Tomes, and from William Tomes to Frank P. Sutliff, Wellington.

Frisky Bawn, Frank P. Sutliff to L. Blantern, Grafton.

Gertlyn's Queen, Frank P. Sutliff to William Tomes, Strongsville.

Grace Darling Aaggie, S. A. Rummel to B. N. Millen, Columbiana.

Liberty Bell De Kol, Thos. Hurd to Ireton Bros., Blanchester.

Marery Sullivan, Anson Hyde to Esther A. Horr, Wellington.

Minnie Bawn, Frank P. Sutliff to L. Blantern, Grafton.

Pink Woodrow Hengerveld, E. E. Russell to C. B. Kelley, Welshfield.

Poppy Clothilde 2d, J. H. Sheets to William Justice, Louisville.

Silica Fancy 2d, Albert Brown to Pierce Bros., Warren.

Wynne Branolia De Kol, H. C. Nichols to Frank P. Sutliff, Wellington.

Notice to the Holstein-Friesian Breeders of America:--

I expect by April 1, 1908 to have in my possession the $4,000.00 son of the $8,000.00 Rag Apple Pontiac Cow, born June 11, 1907. This is the *only* male in the world who has the blood of three dams in his loins that average almost 32 lbs. of butter each in 7 days, comprising all the greatest butter producing families of the breed, and unless sold (as I have no herd) I will sell his services at a price that any breeder can breed a head to his herd, at a cost of $100.00 or less, "whose equal would cost from $500.00 to $2,500.00 to purchase." Send for terms and pedigree. :-: :-: :-:

THE YATES — C. S. AVERILL, — SYRACUSE, N. Y.

LAKELAND FARM

The home of FRENESTA HENGERVELD DE KOL, 32.24 lbs. of butter in 7 days and 123.10 lbs. in 30 days. She is closely related to some thirty other cows in this herd and many of them have records of 20 to 25 lbs or more. Daughters and grand-daughters of PIETERTJE HENGERVELD'S COUNT DE KOL, with 71 A. R. O. daughters, largely make up the breeding animals of this herd. Over 100 head, all ages and both sexes. Write for pedigrees and prices or, better, come and see for yourself. No secrets, just quality does the work.

WING R. SMITH, - Wieting Block, Syracuse, N. Y.

APIARY FARM

has for sale herd bull
PAUL MECTHILDE JOHANNA DE KOL
NO. 31791

Well broke, gentle and sure. Also two bull calves and a few heifers, but no cows.

N. A. KLUCK, Lena, Ill., R. 4.

FOR SALE—HOLSTEIN BULL CALVES

Sired by LORD NETHERLAND DE KOL, BARON NETHERLAND DE KOL and LORD NETHERLAND COUNT DE KOL at easonable prices. Correspondence solicited. Photograph of calf furnished if desired.

SAMUEL J. TILDEN, Proprietor

BURNE-MEADE FARM — **NEW LEBANON, N. Y.**

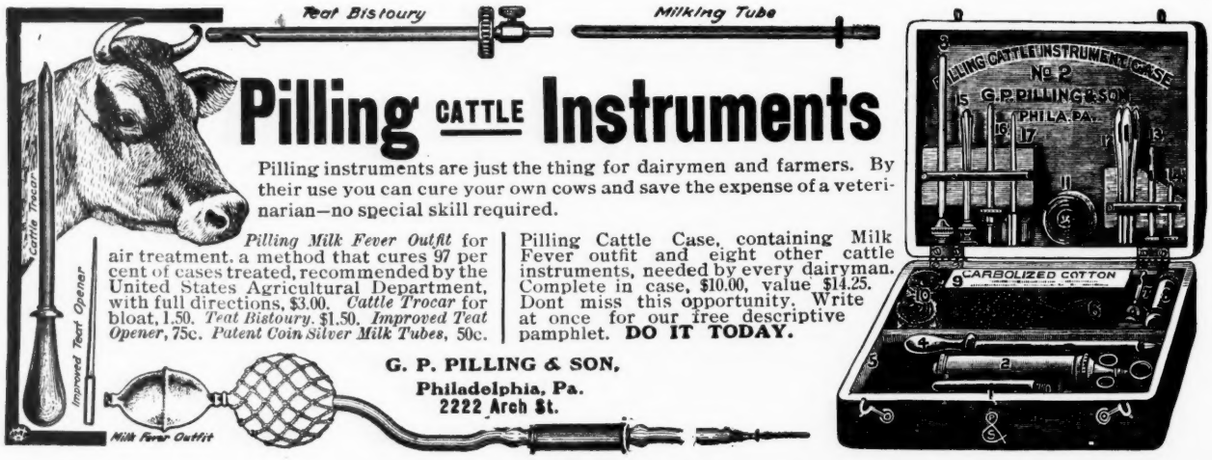
PONTIAC KORNDYKE

is the sire of the highest priced A. R. O. cow ever sold. He is also the sire of the dam of the highest priced bull calf of the breed ever sold. His daughters made 19 official records during the official year ending May 15 last, that show an average per cent of fat over 4.1. No other bull of the breed ever equalled this in one year. We still have a few bull calves sired by him for sale.

One is out of Lady Irine of Woodlawn, 23 lbs. butter in 7 days. She just won the butter test at Ogdensburg Fair, making almost 5 pounds butter in two days over 4 months after freshening.

St. Lawrence Co. — **E. H. DOLLAR** — **Heuvelton, N. Y.**

FAIRVIEW FARMS



Pilling CATTLE Instruments

Pilling instruments are just the thing for dairymen and farmers. By their use you can cure your own cows and save the expense of a veterinarian—no special skill required.

Pilling Milk Fever Outfit for air treatment, a method that cures 97 per cent of cases treated, recommended by the United States Agricultural Department, with full directions, $3.00. *Cattle Trocar* for bloat, 1.50. *Teat Bistoury*, $1.50. *Improved Teat Opener*, 75c. *Patent Coin Silver Milk Tubes*, 50c.

Pilling Cattle Case, containing Milk Fever outfit and eight other cattle instruments, needed by every dairyman. Complete in case, $10.00, value $14.25. Dont miss this opportunity. Write at once for our free descriptive pamphlet. **DO IT TODAY.**

G. P. PILLING & SON,
Philadelphia, Pa.
2222 Arch St.

Wynne Kuperus De Kol, H. C. Nichols to Frank P. Sutliff, Wellington.

PENNSYLVANIA.

Aaggie Jane Clothilde, Thos. L. J. Reese to F. R. McMahon, Altoona.

Daisy Regina, John Arnold to H. J. Hay, Montrose.

Lady Belle Aaggie, Thos. L. J. Reese to F. R. McMahon, Altoona.

Nellie Mechthilde 2d, E. G. Ainey to F. M. Riker, Factoryville.

Pauline America De Kol, L. J. Fitzgerald to Chas. S. Black, Pittsburg.

Wayne Jewel De Kol, W. L. Sterling to G. E. Tewksbury, Alford.

RHODE ISLAND.

Ada of The Oaks 3d, Ghaska De Kol, Pauline De Kol Nazli, Horace L. Bronson to Benj. E. Smith, Pawtucket.

VERMONT.

Fanny of Pine Grove, Helen of Pine Grove and Linda of Pine Grove, Allen H. Britton to W. L. Chadbourne, Windsor.

Bertha of Pine Grove, Allen H. Britton to Herbert Grout, Hartland.

Bess of Pine Grove, Allen H. Britton to William Ballock, Windsor.

Queen Idlewild De Kol, Horace L. Bronson to Geo. K. Cherrie, Newfane.

White Rose De Kol, J. R. Hathway to C. L. Witherell, Middlebury.

Winsome De Kol A. 3d, F. L. Houghton to A. B. Clapp, Brattleboro.

WISCONSIN.

Belle Mechthilde Pauline, Butler Bakker Belle De Kol, Butler Mechthilde Pauline and Johanna Belle Aaggie De Kol, H. A. Arneson to Pete Nace, Mt. Horeb.

Berty Netherland of Oak Grove, Lewis Mussehl to Chas. Schimming, Ft. Atkinson.

Berty Netherland of Oak Grove 2d, Lewis Mussehl to Chas. Schimming, Ft. Atkinson.

Christmas Aaggie, W. H. Zimmerman to Ernest Welz, Clarno.

De Kol Pauline Colantha, John Youngman to Owen Mullen, Watertown.

De Kol Pauline Pietertje, John Youngman to Joseph Molzahn, Watertown.

Henriette Astrea, F. E. West to R. T. Carpenter, Darlington.

Jewel Wit De Kol, J. D. Kinne to O. E. Sette, Juneau.

Lady Netherland De Kol Mercedes, F. E. West to R. T. Carpenter, Darlington.

BULLS.

CALIFORNIA.

De Kol Korndyke of Riverside, Charles D. Pierce to Willoughby Bros., Corcoran.

COLORADO.

Woodcroft Jewel Colantha Fayne, Hubert Work to Victor I. Prevost, Pueblo.

ILLINOIS.

Alma Marie 4th's De Kol, Thomas Bros. to Claus Anderson, Woodstock.

Madison Paul Piebe, Leonard W. Gay to B. W. Sippy, Chicago.

Mercedes Daisy, Frank Zolk to Lajos Geczi, Highland.

Netherland Jewel Lad, W. B. Barney to J. H. Gieseking, Altamont.

Parthenea De Kol, Thomas Bros. to Frank M. Barber, Woodstock.

Schuiling Clothilde De Kol, John M. Creane Estate to Erneest Voigt, Marine.

INDIANA.

Nelly Hero, Jacob Schmal to Frank Scholl, Schererville.

IOWA.

Paul Pledge De Kol, J. R. Elliott to F. M. Livingston and H. W. Harris, Perry.

MASSACHUSETTS.

Corinne Clothilde De Kol Canary, John B. Taylor to M. T. Sayles, North Attleboro.

Dutchland Sir Pontiac Rag Apple, Fred F. Field Holstein Co. to D. W. & F. F. Field, Brockton.

Lord Lilith Wayne Roe, Ethelbert Bliss to G. H. Webster & Son, Enfield.

Paul Friend Pietertje, D. J. Miller to E. M. Culver, New Marlboro.

Prince Dexter Johanna, J. H. D. Whitcomb to Rankin Brothers, Brockton.

MICHIGAN.

Paul Longfield De Kol, M. J. McPherson to F. W. Burtnette, Morrice.

Rhea Sir Posch Calamity, H. W. Norton to M. J. Roche, Anderson.

Sir Houwtje De Kol Butter Boy, Frank Wessinger to N. L. Rogers and I. H. Riggs, Belleville.

MINNESOTA.

Krist Paul De Kol George M. Flinn to Henry Rouen, West Concord.

Prince Paul Twisk, George M. Flinn to W. H. Miner, Medford.

MISSOURI.

Della With 2d's Duke, Wisconsin Live tock Association to James R. Smith, Barnard.

NEW HAMPSHIRE.

Crown Prince Netherland De Kol, James C. Poor to Rockingham County Farm, Epping.

Earl Fairfax Bleeker De Kol, James C. Poor to George E. Gile, Lebanon.

NEW YORK.

Aaltje De Kol Butter Boy, Alonzo Halladay to Merle Stoddard, Jamestown.

Buckeye Netherland De Kol, J. A. Stanton to F. B. Haswell, New Woodstock.

Butter Boy Pietertje Argyrea, Charles O. Cross & Sons to Egbert T. Cross, Johnstown.

Charm Butter Boy De Kol, F. C. Overton to A. M. Bovier, Elmira.

Clothilde Ruth Butter Boy, Madison Cooper to A. J. Earll, Skaneateles.

Coboca Woodcrest Prince, Ervin J. Schoonmaker to DeWitt Beach, High Falls.

De Kol Pietertje Butter King, F. C. Overton to Ross Clark, Adams.

Fairview De Kol Winner, C. J. Becker to A. M. Howlett, Cottage.

Frederick Beets De Kol, Robert Gilmour to Frank J. Fielding, Morristown.

Otisville Pietertje De Kol Paul, H. O. Veltman to S. J. Boyd, Otisville.

Otisville Teddie, H. O. Veltman to George & Yancey Cuddeback, Cuddebackville.

Palermo Chief De Kol Beets, Robert Gilmour to Alexander Gilmour, New Haven.

Royal Clothilde, Minor Gage to Eugene Keith, Union.

Sir Clyde Johanna Boy, J. A. Stanton to Jay W. Lee, Cazenovia.

Sir Pauline De Kol Count Pietertje, Ives, Jewell & Stevens to Lynn R. Gibson, Mt. Upton.

Sir Ybma Spofford Pledge De Kol, E. H. Knapp to Edgar Palmer, Stockton.

The Inka Duchess King, F. C. Overton to Parish Bros., Copenhagen.

The Star of Maybrook, W. H. Seacord to Dennis Corbitt, Montgomery.

Wildwood Bessie Paul De Kol, Minor Gage to David H. Hayner, Campville.

Wild Wood Hartog, Minor Gage to Charles F. Smith, Owego.

NORTH DAKOTA.

Sir Moneta De Kol, John B. Irwin to G. B. Cameron, Aneta.

OHIO.

Betsy George Junior De Kol, E. S. Phelps to W. H. Yeomans, Cherry Valley.

Butter Boy Pietertje 7th, Knapp & Pierce to W. S. Nye, Tiro.

Butter Boy Pietertje 8th, Knapp & Pierce to J. H. Strausbaugh, Londonville.

Count Como Hengerveld De Kol, E. E. Russell to James Parker, Burton.

King Hengerveld De Kol De Vries, E. E. Russell to H. F. Dryer, Welshfield.

King Hengerveld De Vries, E. E. Russell to Fox & Done, Welshfield.

Prince Bawn Winters, L. S. Cummings & Bro. to Frank P. Sutliff, and from Frank P. Sutliff to Henry Sanders, Wellington.

Spring Brook Royal Cornucopia, Knapp & Pierce to Pierce & Houghton, West Farmington.

Spring Brook Victor Cornucopia, Knapp & Pierce to W. C. & T. Taylor, Chagrin Falls.

ONTARIO.

Sir Hengerveld Tehee, Fred F. Field Holstein Co. to Peter & Andrew Dunn, Ingersoll.

PENNSYLVANIA.

Count Veliska Lilith Clothilde, W. L. Sterling to M. J. Maher, Hop Bottom.

Dekomsty Artis, B. N. Millen to A. P. Hazen, Ellwood City.

Major Abruzzi, H. E. Ellsworth to H. M. Lyon & Sons, Wyalusing.

Pontiac Triumph Cornucopia, Eastern Michigan Asylum to William S. Baltz, Newtown Square.

Sir Netherland Abbekerk De Kol, F. H. Quick to B. W. Brow, Tunkhannock.

Westown Paladin De Kol, E. W. Twaddell to F. W. Lewis, Chadds Ford.

VERMONT.

Blanche Thyrsa Prince Lyons, L. S. Haselton to Dennis Drislane, Bellows Falls.

Paul De Kol 3d B. 2d, F. L. Houghton to C. T. Walker, Dummerston

Prince Bowen Johanna, C. E. Weeden to Alfred B. Leach, Saxtons River.

Prince Cheswold Lyons, L. S. Haselton to J. C. Eaton, Springfield.

Prince Lincoln Chetwold, L. S. Haselton to C. A. Corliss, Springfield.

Sir Hartog of the Hill 2d, F. S. Kimball to F. W. Watson Townshend.

VIRGINIA.

Sir Hygeia Veeman Ormsby, Samuel Adams Robinson, M. D., to Wm. Fitzhugh Carter, M. D., Crozet.

WISCONSIN.

Gem Butter Boy De Kol, C. A. Hamann to John Lorfeld, Cleveland.

Governor Jim Davidson, C. O. Ruste to Albert Kahl, Mount Horeb.

Korndyke Gerben Paul De Kol, Wisconsin Live Stock Association to F. W. Baker & Son, Blanchardville.

Korndyke Mercedes Chief, Wisconsin Live Stock Association to D. C. Coolidge, Downing.

Ormsby Jessie Cornucopia, W. A. Matteson to August Seefeldt, Theresa.

Prince Johanna Jewel Clothilde, H. A. Arneson to Pete Nace, Mount Horeb.

Sir Canary Johanna Paul, John B. Irwin to A. C. Thoreson, Baldwin.

Sir Gilbert Paul Youngster, C. O. Ruste to H. H. Stugard, Riley.

List for Week Ending Dec. 28, 1907.

COWS.

ARIZONA.

Aaggie Careme Parthenea Inka, Geo. C. Mosher to Allen Bros., Mesa.

Aaggie Careme Sarcastic, Geo. C. Mosher to Allen Bros., Mesa.

Dutch Pride 2d, Geo. C. Mosher to James M. Horne, Mesa.

Maple Leaf Josephine, Berry Lucas to Allen Bros., Mesa.

Princess Mercedes Aaggie Bryonia, Geo. C. Mosher to Jas. M. Horne, Mesa.

CONNECTICUT.

Jennie Pietertje Pride, J. R. Hatch to Fred M. Smith, Milford.

Marion Clothilde Statesman 2d, E. E. Walker to G. W. Staples, Hartford.

ILLINOIS.

Corona Clothilde Meadow Lawn, Corona Clothilde Mercedes, Milkbron Girl De Kol, Milkbron Smith De Kol and Ula Pietertje De Kol Dieuwertje, Smith Bros. to L. D. Todd, Dundee.

Akkrummer Inka De Kol, Augusta Boelyn, Inger Akkrummer Longfield, Sallie Scholton Rector and Sissy Pietertje De Kol Ringwood, John Knudert to Robert E. Haeger, Algonquin.

Beechwood Bessie De Kol, Belle Maid Mechthilde, Daisy Sindt Onyx, Echo Maid Netherland, Mercedes Hendrika De Kol, Sadie Vale Kimball, L. A. Kimball to H. Miller, Streator.

Blanche Belle Jalmar Meadow Lawn, L. A. Kimball to A. Custer, Streator.

Cydippis Rosebud, D. Weder & Bro. to Joseph Vajda, Highland.

Echo De Kol Pietertje, L. A. Kimball to A. Custer, Streator.

Elgin Belle Bonheur, Jesse W. Osborn to Harry Schlegel, Spring Valley.

Fyke Piebe Mechthilde, L. A. Kimball to L. W. Miller, Streator.

Maid Aaggie De Kol, E. L. Phillips to L. A. Kimball, Hebron.

Ruffina Mercedes De Kol, L. A. Kimball to L. W. Miller, Streator.

Scholton Aaggie De Kol, E. L. Phillips to L. A. Kimball, Hebron.

INDIANA.

Nigger Polly 2d, Jacob Schmal to M. Jacob Seberger, Schererville.

JAPAN.

Johanna Ethel Mechthilde, A. C. Demerit & Son to Y. Suminokura, Tokio.

Johanna Florence Dun, A. C. Demerit & Son to Y. Suminokura, Tokio.

KANSAS.

Anzoletta De Kol 2d, Geo. C. Mosher to E. C. Wiley, Arkansas City.

Clifden Florizel, M. S. Babcock to Van Leeuwen & Roe, Centerville.

MAINE.

Claribel De Kol Clothilde, E. E. Walker to H. A. Walker, Wales.

Iona Girl, E. M. Jacobs to L. E. McIntire, E. Waterford.

Molly Soldene Clothilde Statesman, E. E. Walker to H. A. Walker, Wales.

Princess Jewel De Kol 2d, Frank M. Tabbutt to J. R. Talbot, East Machias.

MASSACHUSETTS.

Christmas De Kol Maplecroft Dutchland Beauty Hengerveld, and Mechthilde Beets De Kol, Fred F. Field Holstein Co. to H. L. Tinkham, Brockton.

East Mountain Jane, Geo. H. Huntington to E. T. Hunt, W. Springfield.

MEXICO.

Albino Clothilde Colantha Leila, Alena Clothilde Hartog Pietertje, De Kol Sprig Lotta, Fancy Fan Hengerveld Lass, Lady Greenwood Violet, Lilly Neta Korndyke, Mercedes De Goede De Kol, Pauline Foekje 2d, Queen Manor De Kol, Revonna Parthenea Jewel, Sunland Hieke, Sunland Peeerless and Susan De Kol Hengerveld, Stevens Bros.-Hastings Co. to Remigio Noriega, Mexico City.

MICHIGAN.

Belle Lady De Kol, Gaza Aconeth Butter Maid and Starlight Belle De Kol, Douglas Marr to I. J. Riggs, Belleville.

Lydia G. of Royalton 2d, Pearline Pietertje 2d, and Scotia De Kol Hamlin, R. C. Reed to J. Gerber, Fremont.

Artis Clothilde Merdu, E. H. Dollar to C. Kern, Pt. Huron.

Belle Artis Hengerveld Burke De Kol, E. H. Dollar to C. Kern, Port Huron.

Bessie Clothilde Abbekerk 2d, McCullough Bros. to C. T. Harner, Howell.

Blondean Beryl Wayne, Estate of Asa Bennett to Guy Wakefield, Howell.

Catherina Q. Grant, C. R. Underwood to D. K. Loveland, Saginaw.

Corinna Texal Jane, Douglas Marr to Frank R. Crandall, Howell.

Corinne De Kol, J. Haller & Son to C. T. Harner, Howell.

Houwtje Cornucopia Wayne, W. C. Huntington to C. T. Harner, Howell.

Ina Tritom Star, Douglas Marr to Frank R. Crandall, Howell.

Lillie Mercedes Pietertje Aaggie, R. C. Reed to Floyd F. Jones, Howell.

Martentje Ykema Mercedes, James O'Connor to A. V. Norton, Leslie.

Pansy Hamlin, C. T. Harner to W. H. Lyons, Howell.

Rijpster Wright, Estate of J. M. Sterling to Ernest Wright, Monroe.

NEW JERSEY.

Vernon Maid De Kol, G. S. Amerman to John H. Van Dorn, Three Bridges.

NEW YORK.

Fairview Inka Boon, Pontiac Netherland Hengerveld, Princess Dorinda De Kol and Senora Princess De Kol, E. H. oDllar to S. C. Brown, Clifford.

De Kol Netherland Countess 2d, Lady Jarie Pride, Lady Pell De Kol 2d, and Pet Netherland Queen, Geo. W. Berry to Geo. Lamb, East Hamilton.

Beryl American Lady, Beryl Mahomet Queen and Hannah De Kol Pietertje, Stevens Bros.-Hastings Co. to Philip D. Schuyler, Camillus.

Daisy Pietertje Lockhart, Katie Pauline De Kol, Lorinda A. 2d and Pearl Lockhart, M. G. Spooner to F. F. Lillie, Bouckville.

Frisky De Kol Kathleen, Imilda Jewel Johanna, Lady Elnora Johanna and Lottie Johanna, E. E. Clark to Churchill Cobb, Spring Mills.

De Kol Perfection Pauline 2d, Edwina Inka Pietertje, Nina De Kol Idyl and Nina De Kol Pauline, William Dadson to Richard Hicks, Auburn.

Alma Clothilde, Alma Perfection Pietertje, Carlotta E's Perfection, Carlotta Netherland Pietertje, Carlotta Netherland Pietertje 2d, Myretta Royal Pietertje and Venango Royal Pietertje, D. J. Hinkley to O. Langworthy, Hamilton.

Beauty Bessie 2d, Flura Sienkjeand Sue Korndyke, A. D. Smith to O. H. Clark, Websters Sta.

Aaggie Maud Clothilde 2d, Frank D. Fuller to Manley Howard, Conewango.

Bessie Copia, P. M. Brown to Jay Brown, Munnsville.

Bessie De Kol Boon, Frank Fear to Frank Roberts, Utica.

Blanche De Kol Lockheart, M. G. Spooner to O. R. Cole, Solsville.

Butter Girl Topsy, Stevens Bros.-Hastings Co. to Geo. Greenley, Adams.

Calaban Inka Mechthilde Princess, Grant A. Burdick to Stevens Bros.-Hastings Co., Liverpool.

Calla Clothilde Frank D. Fuller to Manley Howard, Conewango.

Coral Burke, Floyd Shawles to Floyd Spurr, S. Edmeston.

Countess Iola Pietertje, J. H. Clark to H. L. Low, Dwarrkill.

Daisy Pauline De Kol W. B. Gates to C. B. Wilber, and from C. B. Wilber to Don Lull, New Lisbon.

De Kol Maud Clothilde, Stevens Bros.-Hastings Co. to John Coughlin, Cayuga.

Duchess Hengerveld De Kol Daisy, C. F. Hunt to E. H. Knapp & Son, Fablus.

Elnora Sarcastic, E. E. Clark to L. L. Brown and A. E. Whipple, Woodhull.

E. P. C. De Kol 2d's Daisy, John H. Lidell to J. A. Byard and J. H. Lidell, Schuyler Lake.

Frisky Johanna, E. E. Clarke to L. L. Brown, Woodhull.

Georgetown Copia, E. A. Vandervoort to F. C. Drake, Oneida.

Hillview Ella, E. E. Clark to L. L. Brown, Woodhull.

Ina Ives Maples, James T. Jewell to E. B. Hitchman, Norwich.

Inka De Kol Hamilton 2d, W. B. Gates to Morell Gates, Edmeston.

Lady Crusoe Netherland 2d, Eber J. Bowdish to David E. McAuliff, Cortland.

Maggie Belle Maples James T. Jewell to Jay H. Vandervort, Sidney Center.

Miss Whittaker, Harvey S. Day to E. H. Dollar, Heuvelton.

Nancy Burnside, W. W. Van Wyck to John Arfmann, Middletown.

Nellie De Kol of the Maples, James T. Jewell to R. C. Wells, Norwich.

Nellie Johanna Lockhart, M. G. Spooner to Wm. Pritchard, Bouckville.

Netherland Aaggie May Ideal 2d, Maurice Davenport to E. L. Merritt and I. Z. Seeley, West Eaton.

Pancha Deane 2d, Joseph Haviland to Albert McMurray, Gansevoort.

Pearl De Kol Lockheart, M. G. Spooner to O. R. Cole, Solsville.

Polkadot Parthenea Jewel, James T. Jewell to E. A. Vandervort, Sidney.

Princess De Kol Beets 3d, Eber J. Bowditch to David E. McAuliff, Cortland.

Rouble Pietertje Witkop De Kol, W. H. Carrier to E. A. Powell, Syracuse.

Sadie De Kol of the Maples, James T. Jewell to E. A. Vandervort, Sidney.

Sadie Tiffany, F. M. & H. M. Tiffany to E. A. Powell, Syracuse.

Snowball Tiffany, F. M. & H. M. Tiffany to E. A. Powell, Syracuse.

Valley Burke De Kol, Read Bros. to D. W. Watkins, Holland Patent.

Valley Yucca, Read Bros. to D. W. Watkins, Holland Patent.

OHIO.

Aaggie Concordia De Kol, Aaggie Oosterbaan 4th, Beauty Kekke Talizac, Buckeye De Kol Princess, Lady Rhana De Kol, Kate Netherland Princess De Kol, Mercedes Nudine Josephine, Molly Waverly Hengerveld De Kol, Nancy Lyons De Kol, Nellie Hengerveld De Kol Gerster, Ophelia Stark and Rena Clothilde Netherland, Frank P. Sutliff to L. E. Connell, Fayette.

America Beets De Kol, Calaban Inka Mechthilde Princess and Konig Pietertje De Kol 2d, Stevens Bros.-Hastings Co. to Cyrus Hover, Lima.

Becky Bawn, Geo. H. Bradner to J. H. Holcomb, Jr., Medina.

Ella Grace De Kol, O. L. Prior to Miss Mary Linton, S. New Lyme.

Helen Ophelia De Kol, J. C. Smith to J. S. Graves, Sandusky.

Lady Matilda's Champion, T. D. Phelon to J. H. Holcomb, Jr., Medina.

Ondine Mahomet, Gates Bros. to J. C. Smith, Castalia.

OREGON.

Arcturus of Riverside, Chas. D. Pierce to James Elliott, Warrenton.

Belle Empress of Riverside, Chas. D. Pierce to James Elliott, Warrenton.

PENNSYLVANIA.

Aaggie Cornucopia Pietertje, Beech Grove Susie De Kol, Columbia De Kol, Daisy De Kol 2d's Queen 2d, Daisy Netherland Perfection, Fanny Paul De Kol, Gilberta Haldane, Lavina Lilly of Woodlawn, Mercedes Coral De Kol Belle, Minnie De Kol Pauline 2d, Nephele Aylesbury, Pauline Aylesbury, Princess Aylesbury Brightwood, Princess Belle De Kol Pauline, Venice Lorine 3d and Venice Lorino De Kol Tula, J. D. Miller to E. W. Downton, Starrucca.

Abbekerk Johanna De Kol, G. M. & S. S. Lyon to F. J. Kingsley, Towanda.

Bendy Bolton, J. G. Paxton to D. S. Fulton, Hanlin Sta.

Duchess of Maple Shade, H. E. Waring to Homer L. Waring, Linesville.

Evelyn Raschen, H. E. Waring to G. C. Greenfield, Linesville.

Iduna Voliska Clothilde, J. W. Bunnell to B. B. Bunnell, Montrose.

Jaunty Bolton, J. G. Paxton to D. S. Fulton, Hanlin Sta.

Johanna Plum Buttercup, G. M. & S. S. Lyon to J. A. Fisher, Standing Stone.

Johanna Plum Buttercup 2d, G. M. & S. S. Lyon to J. A. Fisher, Standing Stone.

Laura Govers, J. H. & F. N. Jones to L. V. Stone, Mills.

Light Govers Jones, Jones Bros. to L. V. Stone, Mills.

White Bess Clothilde De Kol, Stevens Bros.-Hastings Co. to N. A. Ostrum, Emporium.

Wildman Mary, Jones Bros. to L. V. Stone, Mills.

VIRGINIA.

Aaggie Nancy Johanna, John W. Jones to T. T. Jones, Waubay.

WISCONSIN.

Edith Lyons Hengerveld De Kol, Georgie De Kol Aaggie and Jolie De Kol Clothilde, Frank P. Sutliff to E. J. Fargo, Lake Mills.

Happy Piebe Laura Inka, Piebe Estata De Kol 2d's Rose, Piebe Estate De Kol 3d, Piebe Laura Inka De Kol and Piebe Laura Inka Fobes 2d, A. F. Ryder to Robert C. Luedke, Juneau.

Aaggie Magnet Lillian, Gerdruth, Magnet Belle De Kol, Mildred Vale, J. F. Zimmerman to Dallas E. Davis, Monroe.

Aaggie Ormsby Lillian, J. F. Zimmerman to Ernest Balis, Janesville.

Babe Piebe Estata De Kol, A. F. Ryder to August Luedke, Juneau.

Bessie Burg, J. P. Brill to B. W. Brill, Sheboygan.

Lorea De Kol, A. F. Ryder to August Luedke, Juneau.

May Ita De Kol, A. C. Demerit & Son to Stuart Mutch, Jewett.

Quoque Harvey Wood Hopes, I. S. Allen to W. R. Gates, Ft. Atkinson.

Rosa Burg, J. P. Brill to E. E. Eastman, Plymouth.

Unique Posch, Thomson Farms Co. to Carl Foll, Deerfield.

BULLS.

CONNECTICUT.

Black Beauty Diamond, N. B. Turner to Dr. Thomas H. Russell, New Haven.

Highwood Pledge Clothilde, John L. Gorham, Jr., to Lester E. Warner, Highwood.

Sir Johanna Mercedes Paul, G. M. & S. S. Lyon to Chas. H. Williams, Danbury.

Soldene Butter Boy Clothilde, E. E. Walker to G. W. Staples, Hartford.

DISTRICT OF COLUMBIA.

Korndyke Greendale Butter Boy, The Stevens Bros.-Hastings Co. to Government Hospital for the Insane, Washington.

Sir Watson Piebe, E. E. Randall to Robert E. Haeger, Algonquin.

ger, Algonquin.

Tom Douglas, Frank Lange to R. E. Hae-

ILLINOIS.

Auctioneer, C. C. Hunt to J. C. Ladd, Ringwood.

Beechwood Bona Johanna, Henry Pyle to The University of Illinois, Urbana.

Richwoods Johanna De Kol, A. J. Daugherity to L. L. Miller, Peoria.

Sir Longfield Gewina, John Kundert to R. E. Haeger, Algonquin.

INDIANA.

Mercedes Geneva Paul De Kol, Rathmann Bros. to H. C. Rathmaan Hebron.

IOWA.

Beryl Veeman De Kol, H. H. Wickwire to W. B. Barney, Hampton.

Prince Tyeas Ida Denver De Kol, Geo. Eichasker to M .C. Miller, Osterdock.

Sir Johanna Acma, L. A. Kimball to Schillig Bros., Iowa City.

JAPAN.

De Kol Battles 2d, George Williams to Y. Suminokura, Tokio.

Madison Hengerveld De Kol, Madison Johanna and Madison Sir Johanna, Leonard W. Gay to Y. Suminokura, Tokio.

Sir Johanna Schoone Barbetta, A. C. Demerit & Son to Y. Suminokura, Tokio.

MAINE.

Felker Shepard Karel, Walter S. Keene to J. B. Lampther, Newport.

Korndyke Ward Shepard, Walter S. Keene to Y. F. Homestead, Palmyra.

MARYLAND.

Prince of Potomac, McGill Belt to Shaffer T. Hargett, Frederick.

MASSACHUSETTS.

Sir Aaggie De Kol Wayne Netherland, Gertrude W. Byam to Rose McNiff, Harvard.

Sir Dutchland Latona, Fred F. Field Holstein Co. to H. L. Tinkham, Brockton.

Sir Henry Colantaus, Fred Raymond to M. T. Carrigan, Concord.

Soldene De Kol Wayne, Gertrude W. Bam to Amos B. Adams, Chalmsford.

MEXICO.

Sir Aaggie Mooney De Kol, James Dorsey to Timothy J. Costello, Atzcapotzalco.

MICHIGAN.

Aaggie King De Kol, Dewey C. Pierson to Clarence M. Benedict, Freeport.

Antioch Pietertje Wayne, Chas. E. Parker to Robert Eager, Howell.

Beryl Wayne Mechthilde, Mark B. Curdy to D. Owen Taft, Oak Grove.

Bonheur Alban, Michigan Agricultural College to Henry Kraker, Allendale.

Count Colantha Alban Houwtje, Michigan Agricultural College to A. B. Lane, Bloomingdale.

De Kol Houwtje Concordia, Ernest Wright to J. M. Sterling, Monroe.

Fairview Hesione Korndyke, E. H. Dollar to C. Kern, Port Huron.

Paul Creampot De Kol, Bernard C. Banfield to James Houston, Swartz Creek.

Prince Aaggie Butter Boy, Douglas Marr to Frank Wessinger, Howell.

Queen Coloma De Kol Prince, Dewey C. Pierson to J. W. Cawood, Marlette.

Rosa Bonheur Lassie De Kol, Michigan Agricultural Colelge to H. E. Curtis, Lake Odessa.

Samanthia Jane Canary Prince, Guy Wakefield to Bert Scripture, Fowlerville.

Sarcastic Alban, Michigan Agricultural College to E. A. Smith, DeWitt.

Sarcastic Count, Michigan Agricultural College to C. J. Monroe, South Haven.

Sir Canary Vale De Kol, John G. Louk to Wilber Bigford, Ovid.

Sir Houwtje Boy, W. K. Sexton to W. B. Thompson, South Lyon.

Sir Ormsby Maplecroft, Stevens Bros.-Hastings Co. to Will Gallup, Hudson.

MINNESOTA.

Baron Johanna De Kol, E. P. Miller to W. W. Wright, Stanton.

NEBRASKA.

Prince Jewel Clothilde, E. C. Grubbs to A. Barber, Havelock.

NEW JERSEY.

Count Pietertje De Kol Brookfield, Jacob Todd, Jr., to J. R. Schenck, Clover Hill.

Duke Netherland De Kol Aggie, J. W. Dimick to A. A. Cortelyou, Somerville.

Rifton Lassie Lad, J. W. Dimick to A. A. Cortelyou, and from A. A. Cortelyou to H. C. S. Sebering, Neshanic.

NEW YORK.

America Mercedes Lad, J. W. Dimick to H. E. Brooks, Rocklet.

Bonnetrix 4th's Cornucopia Count, F. A. Blanchard to Garner Bentley, Cortland.

Butter Boy De Kol Prince 3d, E. E. Clarke to L. L. Brown, Woodhull.

Canary Mercedes Alma Paul, L. G. Kirkland to George Mason, Conewango Valley.

Dairyland Lad, J. W. Dimick to J. E. Houston, Edenville.

De Jong Butter King, George N. Morrow to James T. McBrier, Montgomery.

De Kol Jones, Frank Jones to Jessie Barker, Whitesville.

Duke Netherland Mechthilde, M. O. Sutton to Gilbert S. Robison, Addison.

Fayne Sir Jewel, Arling Cobb to Churchill Cobb, Spring Mills.

George Inka Pietertje De Kol, Frank D. Paris to F. W. Chickering & C. W. Edgbert, Copenhagen.

Gert De Kol Duke 2d, John H. Phelps to Arthur E. Humsitone, Vernon.
Hartog Pauline Butter Boy, W. B. Whitlock to J. E. Sanford, Warwick.
Hillview Ella Sarcastic Sir Fayne, Matt Seely to R. B. Grantior and F. S. Potter, Andover.
Hillside Galene Pietje, D. E. Carley to O. S. Gross, Greene.
Houwtje Lad, J. W. Dimick to Joshua Birch, Wallkill.
Hugo De Kol Burke, H. W. Hartshorn to Frank Stedman, Earlville.
Jacob Wit Johanna De Kol 2d, W. H. Chase to A. D. Mulliner, Rocklet.
Jim Deane De Kol, Joseph Haviland to Albert McMurray, Gansvoort.
King Hartog Bodora De Kol, Irving Cornell to Clark Zeh, South Kortright.
King Pontiac Paul, Stevens Bros.-Hastings Co. to E. E. Myers, Conewango.
Lillie Korndyke De Kol, J. W. Coley to A. L. Cook - Brown Bros., Erieville.
Mapledale Wayne Barrington De Kol, E. E. Myers to C. W. Bosworth, Red House.
Netherland Laddie, George E. Quinn to J. F. Wixom, Hammondsport.
Oriskany Prince, Curtis Miller to Owen Roberts, Deansboro.
Paul Cornucopia, J. W. Dimick to J. A. Houston, Florida.
Paul Korndyke Aaggie, J. W. Dimick to Elbert Roos, Walden.
Paul Wayne De Kol Elmwood, Jabez Smith to Jackson & Westfall, Newark Valley.
Plattekill Cornucopia Count, Oliver C. DuBois to John LeFevre, Modena.
Plattekill Cornucopia Paul, Oliver C. DuBois to Michael Lyons, Gardiner.
Plattekill Cornucopia Prince, Oliver C. DuBois to Anderson Armstrong, Modena.
Prince Segis Fay, Wing R. Smith to Edward A. Powell, Syracuse.
Sir Aaggie De Kol Prince, Sidney G. Anderson to A. A. Bradley, Frewsburg.
Sir Emporia Veeman, F. J. Saunders to B. Meyer, Finderne.
Sir Hartog Mooie Korndyke De Kol, Theodore Young to Frank W. Simonds, Darien Center.
Sir Hillside Mary Vale De Kol, J. N. Conyngham to I. J. Foster, Cortland.
Sir James Clothilde, H. B. Lauber to F. B. Lauber, Dairyland.
Sir Johanna Prescott Hengerveld, E. E. Clark to G. C. Lewis, Greenwood.
Sir Netherland Shadeland, M. O. Sutton to Fred Rial, Addison.
Sir Pietertje Ormsby, C. H. Chase to Gardner Bros., Garrattsville.
Sir Pontiac Rag Apple Korndyke, E. H. Dollar to S. C. Brown, Clifford.

OHIO.

Beryl De Kol Favorite, J. C. Smith to George G. Meek, Fremont.
Beryl Wayne's Son No. 20, Fred N. Burr to Garfield Porter, Wauseon.
Butter Boy Sir Mechthilde, S. A. Miller & C. Geiger to M. H. Miller, Delta.
Hengerveld Korndyke Pontiac, Stevens Bros.-Hastings Co. to Cyrus Hover, Lima.
Jolie Johanna Gilt Edge Lad, L. E. Connell to S. I. Tatham, Outville.
Pontiac Aesula Mutual Friend, F. R. Hazard to E. A. Powell, and from E. A. Powell to W. V. Cooley, Georgesville.
Prarie Flower Hengerveld De Kol, W. Y. Gibson to S. E. Fisher, East Liverpool.
Prince Creamelle De Kol, W. M. Benninger to Nancy C. Purdum, New Paris.
Sir Burton De Kol Cornucopia, E. L. Taylor to Newcomb Bros., Burton.
Sir Mercedes Climax of Hudson, The Thomson Farms Co. to R. Brandum, East Toledo.

PENNSYLVANIA.

Inka Hengerveld Johanna Lad, E. W. Downton and J. D. Miller to E. W. Downton, Starrucca.
Jaunty Lady Captain, J. G. Paxton to John T. Burnside Canonsburg.
Miller Aurora Mechthilde, William Rollins to P. H. Miller, Ulysses.
Paul Vale Wayne De Kol, G. M. & S. S. Lyon to S. R. Ellsworth, Tunkhannock.
Sandes De Kol Burke 2d, Fred Dixon to W. M. Benninger, Benningers.
Sandes Pauline Artis, Fred Dixon to W. M. Benninger, Benningers.
Sir Beryl Woodland, Stevens Bros.-Hastings Co. to James H. Graeff, Tulpehocken.
Sir Govers Fayne De Kol, Arling Cobb to E. H. Nibecker, Glen Mills.
Sir Korndyke Friesland, Stevens Bros.-Hastings Co. to W. S. Baltz, Newton Square.
Springdale Sir Johanna, G. M. & S .S. Lyon to P. N. Fisher, Rummerfield.
Upland Pietertje Beets De Kol, D. P. Honeywell to G. M. & S. S. Lyon, Wyalusing.

PORTO RICO.

Prince De Kol of Tarbell Farms, Gage E. Tarbell to W. A. Hutton, Cagnas.

SOUTH CAROLINA.

Sir Hygeia Veeman Ormsby, W. F. Carter to R. P. Gillespie, Hartsville.

VERMONT.

Beauty Manor De Kol Count Lad 2d, George C. Clark to Charles F. Stetson, North Thetford.

GRANVILLE FARM

offers bull calves, from 15 to 18½-lb. A. R. O. dams, at $25 to $50 each. These calves are 1 to 2 months old. If not as represented, money will be refunded.

R. P. Kutschbach, Box 462 Sherburne, N. Y.

Woodside Lord Netherland De Kol No 49212

BORN MAY 6, 1907.

Sire, Korndyke Queen De Kol Butter Boy, 4 A. R. O. daughters.
- G. S., De Kol Butter Boy 2d, 9 A. R. O. daughters.
- G. D., Korndyke Queen De Kol, A. R. O.

Dam, Viola De Kol Mechthilde, A. R. O. 14.76 lbs. butter from 313 lbs. milk at 2 years and 3 days old.
- G. S., Lord Netherland De Kol, 67 A. R. O. daughters.
- G. D., Viola Pauline Mechthilde, No. 61618; not tested.

Sire: This is the most perfect and beautiful of all the Korndyke bulls, and he will soon have many A. R. O. daughters. His first 4 to come in milk average 3.82 per cent. fat, 12.42 lbs. butter. Two of them are yearlings and average 4.20 per cent. fat.

Dam: This very handsome cow's picture is published in last volue of the "Blue Book." Her sire has 67 A. R. O. daughters.

This beautiful, evenly marked bull will be sold cheap; must sell to make room for heifers. He is well grown and a splendid bargain for some one.

JOHN B. MARCOU, Princeton, Mass.

21 Pound Korndyke Bull Calf

Born March 20, 1907. His dam has an A. R. O. record of 21.06 lbs butter and 533.6 lbs. milk in 7 days, 78.7 lbs. milk in one day, at 5 years old. Sire, "Witkop De Kol Korndyke Wayne" whose dam has an A. R. O. record of 22 83 lbs. butter in 7 days, her milk averaging 4.24 per cent fat. This calf traces on both sire and dam's side to "Belle Korndyke" 25.77 lbs. butter in 7 days.

F. W. Ames, Morristown, N. Y.

Meadow Brook Farm offers a trio of calves not akin. The bull was sired by Lillith Pauline DeKol's Son and out of a 22 lb. dam, born July 2, 1907. One heifer was sired by Caesar Uilkje and out of Lady Rowena Clyde with 19.34 lbs, at 4 yrs. The other heifer was sired by DeKol Hengerveld Burke King and out of Pietertje Kappijne with 11 lbs. at 2 yrs. One of the heifers was born Dec. 10, 1907, the other was born Jan. 25, 1909. This lot is just the thing to start with or just the thing to add to a good herd. If you want something bred in the purple and at a low price just send a check for $175 for the lot.

E. E. POOLE, Lincklaen Center, N. Y.

HYGEIA HERD

offers Hygeia Ormsby Paul, No. 46975, born March 25, 1907. Sire, King Ormsby Friend, No. 39045, A. R. O. of dam 19.55 lbs. and of sire's dam 24 lbs. 4.4 oz. Average per cent fat 5.44.

Dam, Anzaletta Pauline Paul 2nd, No. 52296, A. R. O. 24.64 lbs. butter in 7 days, 101.43 lbs. in 30 days. Best day's milk 94 lbs.

This young bull is fine enough to show in any company and good enough to he d any herd.

Write immediately for he is going to be sold. Address

J. B. Loomis, Supt. Crozet, Albemarle Co., Virginia.

Dr. W. F. CARTER, Owner.

FAIRVIEW FARM HOLSTEINS

For Sale, Handsome Yearling Bull. His sister has record of 2 .2 lbs. butter in 7 days at 3 years. Dam's record 23.29 lbs. Dam's sire is a brother to Canary's Mercedes.

Sire's dam has record above 25 lbs. at 4 years. Sire's grand dam above 25 lbs. also at 4 years. Many ther large records in pedigree. Eight above 25 lbs. We also have several Bull Cal es out of high record cows Address

Oswego Co. O. J. GODFREY & CO Pennellville, N. Y.

Briar Pontiac Pietertje, F. W. Scott to Ernest Hitchcock, Pittsford.
Mollie Sarcastic Prince, George S. Worcester to Isaac N. Hall, Grafton.
Sir Echo Clothilde De Kol, M. L. Thomas to John W. Farrell, East Clarendon.
Sir Netherland Cheswold, Newton & Marshall to Carrol Pike, Perkinsville.

VIRGINIA.

Kin Pietertje Korndyke, The Stevens Bros.-Hastings Co. to V. E. Kerr, Herndon.

WISCONSIN.

Butter Bakker Belle Bismarck, C. O. Ruste to Carl Paulson, Black Earth.
John Prince Orleans, John Witke to Robert Helmke, De Forest.
King De Kol Battels, J. F. Zimmerman to E. T. Lahr, Juda.
King De Kol Lad, J. F. Zimmerman to Ernest Balis, Janesville.
Netherland Prince De Kol Alban, W. M. Coxe to H. G. Johnson, Whitewater.
Paul De Kol Mercedes Count, J. F. Zimmerman to Cosmo C. Zimmerman, Juda.
Sir Aaggie Mechthilde Fyke, W. H. Zimmerman to James McClellan, Brodhead.
Sir Jess Mercedes, C. T. Goodrich to William F. Trieloff, Fort Atkinson.
Sir Johanna Longfield, W. J. Williams to William G. Pritzlaff, Watertown.
Sir Lilith Pauline De Kol Beryl, G. M. & S. S. Lyon to W. R. Gates, Fort Atkinson.

Sir Mercedes De Kol Pet 3d, C. Tochterman, Jr., to James Hughes, Monroe.

Sir Minke Corrector, C. B. McCanna to Val Ganz, Burlington.

Urica Van Beechwood 2d, C. B. Esselman to Thomas Frobs, Loyal.

Wit Colanthus, Ernst Krueger to Otto E. Radke, Juneau.

List for Week Ending Jan. 4, 1908.

COWS.

ARKANSAS.

Orrice Clyde De Kol, Jesse W. Osborn to P. D. Scott, Van Buren.

CANADA.

Elgin Mercedes Bryonia, H. E. George to Chas. C. Ford, Wallacetown, Ont.

Ina Aaggie Ideal, H. E. George to A. J. Mizen, St. Thomas, Ont.

Lassie Artis Johanna, H. E. George to G. A. Brethen, Norwood, Ont.

Starlight Dora De Kol, H. E. George to A. J. Mizen, St. Thomas, Ont.

Wietske Duchess Aaggiie, H. E. George to J. A. Caske, Madoc, Ontario.

Wietske Hengerveld De Kol Mercedes, H. E. George to P. J. Salley, Lachine Rapids, Que.

COLORADO.

Juanesta Leta, Prevost & Haver to C. W. Curtis, Sedalia.

Morena Blanche, Prevost & Haver to C. W. Curtis, Sedalia.

CONNECTICUT.

Vanessa, J. H. D. Whitcomb to Fred K. Ellis, Rockville.

ILLINOIS.

Beechwood Emma, Dot Dolores and Parthenea Moneta, Thomas Bros. to Herbert Jones, Hebron.

Catrina Mechthilde De Kol, Clothilde Raphaella De Kol, Copia Pledge De Kol 2d, Daisy Lass De Kol, Edith De Kol Prescott, Jessie Schilaard De Kol and Lunde Burke De Kol, E. A. Taylor to R. E. Haeger, Algonquin.

Copia Onyx Clothilde De Kol, N. F. Sholes to R. E. Haeger, Algonquin.

Emma Moneta De Kol, Thomas Bros. to James Hadley, Huntley.

Ethel Mechthilde Mercedes, Frank Zolk to Joseph Vajda, Highland.

Flora Johanna Bona, Lyman Pyle to Frank Schrage, Trenton.

Fyke Mechthilde 2d, Frank Zolk to Joseph Vajda, Highland.

Parthenea Dolores 2d, Thomas Bros. to Jas. Hadley, Huntley.

Rosa Rubra Mercedes, J. F. Zimmerman to W. R. Angle, Dakota.

Saapke 4th's Birmingham, Esther A. Horr to Geo. C. Robertson, Butler.

INDIANA.

General Paul De Kol's Hazel, Leander Jones to Henry Rathman, Hebron.

General Paul De Kol's Marietta, Leander Jones to Henry C. Rathman, Hebron.

IOWA.

Ella De Kol Hengerveld, Jule Henry and Merry De Kol, Johann Sohl to Wilhelm Sohl, Hull.

Eunice Rhomberg, J. H. J. Stutt to Chas. E. Bates, Langworthy.

Hawkeye Gudultje, J. R. Elliott to Ed Miller, Hawkeye.

Madrigal Jewel, J. R. Elliott to Ed Miller, Hawkeye.

JAPAN.

Aaggie Star of Riverside, Countess Weaver of Riverside, Fidessa Juliana Wayne of Riverside, Jennie Lynwood of Riverside, Little Eva of Riverside, Romeo Fidessa of Riverside, Salambo Pet of Riverside and Wakalona De Kol of Riverside, Chas. D. Pierce to Kanagiro Kaueko, Tokio.

MAINE.

Jewel Colantha De Kol, D. L. Brett to F. C. Weston, Bolsters Mills.

Ideal Ormsby Queen, Chas. L. Pulsifer to C. D. Austin, Auburn.

Poland Aaggie, Charles L. Pulsifer to Sullivan Waterhouse, McFalls.

MARYLAND.

Katy of Catoctin De Kol, Graham F. Blandy to S. T. Hargett, Frederick.

MASSACHUSETTS

Amarilla Aaggie Wit 2d, Fred Raymond to M. T. Carrigan, Concord.

Baby Serida De Kol, W. C. Mason to J. H. Howard, Colrain.

Duchess Clothilde Lad Paulina, F. L. Houghton to F. P. Knowles, Auburn.

East Mountain Jane, Eliha T. Hunt to Arthur A. Sibley, W. Springfield.

Lady Atossa 3d, Geo. H. Huntington to Arthur A. Sibley, West Springfield.

Merdu 5th, Myrtle D. Cooper to W. C. Mason, and from W. C. Mason to Eugene Prindle, Williamstown.

Merdu 5th's Mary, C. G. & H. F. Leach to W. C. Mason, and from W. C. Mason to J. H. Howard, Colrain.

Mollie Branksmere Clothilde, M. T. Carrigan to Gertrude W. Byam, South Chelmsford.

Mutual De Kol Ena, D. H. Goodell to R. A. Littlefield, N. Reading.

Olive Abbekerk, E. A. Keigwin to John Doland, W. Millbury.

Sporting Oakland Maiden, D. H. Goodell to R. A. Littlefield, N. Reading.

MICHIGAN.

Abbie Chester Lady 2d, Geo. E. Lapham to F. D. Ripley, Dimondale.

Ada Hengerveld De Kol, Geo. R. Culver Estate to C. W. Pelham, Jackson.

Colantha of Dimondale, Geo. E. Lapham to C. E. Burke, Dimondale.

De Cole Beryl Wayne, Asa W. Bennett to William Bamber, Howell.

De Kol Wonder, J. R. Munson to H. W. Wigman, Lansing.

Houwtje Girl, Geo. E. Lapham to W. O. Wilson, Okemos.

Lucila Olive Houwtje Maid, Frank Wessinger to N. L. Rogers, Belleville.

Perdita of Dellhurst, H. F. Buskirk to Frank White, Hopkins.

Princess De Kol Netherland Beauty, N. G. Strong to Jay L. Johnson, Linden.

Spotted Fearless, Geo. F. Lapham to W. O. Wilson, Okemos.

Spotted Fearless Colantha, Jay B. Davis to Geo. E. Lapham, and from Geo. E. Lapham to D. E. Chase, St. Johns.

MISSOURI.

Hengerveld De Kol Colantha, Wisconsin Live Stock Ass'n to Robert W. Maguire, St. Louis.

Hengerveld De Kol Parthenea, Wisconsin Live Stock Ass'n to Robert W. Maguire, St. Louis.

NEBRASKA.

Golden Netherland Pride, A. R. Carruth to University of Nebraska, Lincoln.

NEW HAMPSHIRE.

Abbie B. 2d's Clothilde, Abbie Glendara Princess, Beth of Whetstone Farm, Mary Clothilde Countess, Ness of Whetstone Farm 2d, and Wilhelma Witkop, C. E. Moses to Anson Wesson, Lancaster.

NEW JERSEY.

Durkje Korndyke De Kol, Eloise Manor De Kol, Eloise Wayne De Kol, Florence Manor De Kol, Inza De Kol and May Rachel 2d, Freeborn Bros. to Thomas M. Tice, Deerfield Street.

Aaggie De Kol Korndyke 2d, J. W. Dimick to Louis H. Rushton, Harrington Park.

Aaggie Gelsche, John P. Nelson to Richard L. Ridgeway, Cream Ridge.

Beauty Posch, Morris Rutherford to McCoy Bros., Sussex.

Belle Aaggie Clothilde, J. W. Dimick to A. A. Cortelyou, Somerville.

Belle of Maple Ranch De Kol, M. A. Crandall & Son to David Riley, Bridgeton.

Jessie Pietertje, John P. Nelson to Richard L. Ridgeway, Cream Ridge.

Roxy Netherland Aaggie, J. W. Dimick to A. A. Cortelyou, Somerville.

Cora Earle, J. W. Dimick to Louis H. Rushton, Harrington Park, N. J.

NEW YORK.

De Kol Maid of Maple Hill, Dorothy Pietertje 2d's Pet, Leda De Kol Pauline, Lilith Aaggie Boon, and Pietertje Witkop De Kol Pauline, C. F. Corey to C. D. Clark & Wife, Pennellville.

Bellflower De Kol 2d, Buttercup De Kol Netherland Caboca 5th's De Kol, Faster Arbutus De Kol, Jobyna Netherland, Julie Mechthilde Wayne, Laura Mechthilde Pietertje, Pietertje Bess De Kol, Ruby Artis and Sunnyside Netherland Posch, G. W. McEwen to John Arfmann, Middletown.

Donna Posch Boon, Pet Pauline Posch and Princess Posch Clothilde, E. C. Rindge to F. E. Price, Cortland.

Aaggie Hark 3d, James Phelan to Frank W. Plato, Sherman.

Aaggie of Lynfeld Bright De Kol, J. W. Dimick to A. O. Poole, Yinsklaen Center.

Agatha Vale De Kol, J. W. Dimick to Harley Smith, Chester.

Anna Terry Anna De Kol 2d, Horace L. Bronson to John B. Webster, Cortland.

Beautiful Lass, C. O. Post to E. A. Vandervort, and from E. A. Vandervort to Geo. O. Waterman, Delhi.

Beauty Boon, J. W. Dimick to W. J. Smith, Kingston.

Beauty De Kol Beryl, C. O. Post to E. A. Vandervort, and from E. A. Vandervort to Geo. O. Waterman, Delhi.

Belle Pietertje Eclipse, J. W. Dimick to Geo. W. Henry, Walden.

Berlin Beauty Pietertje, Archer Brown to H. A. Robinson, S. New Berlin.

Beryl Wayne Butter Queen, J. W. Dimick to G. M. Welles, Elmira.

Bessie Rag Apple Pietertje, John H. Lidell to J. A. Byard & J. H. Lidell, Schuyler Lake.

Bonnie Pietertje De Kol, Robert L. Stevens to Robert Marshall, Greenwich.

Callioposis Boon Clothilde, Mrs. Hiram Snow to L. G. Kirkland, Randolph.

Cassie Netherland, Walter N. Knox to J. A. Kelso, Walden.

Clothilde Hartog, A. L. Draper to G. J. Brown, Ballston Spa.

Clover Hill Van Etten, J. W. Dimick to Elting DuBois, Pine Bush.

Edwina Felecia 2d, W. H. Tripp to W. H. Depew, Auburn.

Eva Mercedes Queen De Kol, S. S. Halstead to John Lucey, New Paltz.

Fairmont Lady Woodcrest, John Arfmann to C. T. Davenport, Unionville.

Fairview Segis Pansy, F. H. Thomson to Harley Smith, Chester.

Feikje, J. W. Dimick to C. W. Jessup, Florida.

Floa Hadria 2d's De Kol 2d, John Jaquay to H. D. Risley, Earlville.

Harriette De Kol Zoa 2d, H. L. Bronson to John B. Webster, Cortland.

Hillside Mistletoe, J. N. Conyngham to I. J. Foster, Cortland.

Hollander Colantha, Geo. F. Blewer to Alexis Padget, Owego.

Jetta Plum, J. W. Dimick to Wm. M. Smith, Hasbrouck.

Lady Artis Nephele, W. H. Carrier to C. F. Corey, Pennellville.

Lady De Kol Neta, J. W. Dimick to H. G. Whitney, Ilion.

Lieuwkje Bright, J. W. Dimick to B. W. Bull, Stony Ford.

Lou Pietertje De Kol, E. E. Poole to Horace L. Bronson, Cortland.

Lulu Sadie, J. W. Dimick to John Arfman, Middletown.

Lunde Maud Artis, John Jaquay to H. D. Risley, and from H. D. Risley to A. L. Miller, Randallsville.

Luna Maud Tekstra Velstra, R. P. Kutschback to W. E. Pudney, Harpursville.

Lytle De Kol Jewel, Frank Fuller to L. G. Kirkland, Randolph.

Marie Clothilde De Witt 2d, C. L. Horstmann to J. McMichael, Scotia.

Mercedes Nachefe, D. G. Clark & Son to Stevens Bros., Liverpool.

Miss Countes Parthenea, J. W. Dimick to C. W. Jessup, Florida.

Nellie Beatus Princess, J. W. Dimick to John Arfmann, Middletown.

Netherland Shadeland 2d, J. W. Dimick to Harley Smith, Chester.

Ormsby Sarcastic Clothilde, E. L. Talbot to John S. Rickwell, Garrattsville.

Paula Netherland Aaggie, Stevens Bros.-Hastings Co. to Willis Weed, Cayuga.

Pauline America Butter Queen, J. W. Dimick to Jesse DuBois, Walden.

Pietertje Witkop Artis, W. H. Carrier to C. F. Corey, Pennellville.

Princess Artis Beatus, J. W. Dimick to Harley Smith, Chester.

Princess Johanna Dorinda, Stevens Bros.-Hastings Co. to John Coughlin, Cayuga.

Rosa Korndyke De Kol, C. W. Loomis to E. H. Dollar, Heuvelton.

Rosaline De Kol Beryl, Stevens Bros.-Hastings Co. to H. F. Rutherford, Walton.

Rowena Maid, Geo. F. Blewer to Alexis Padget, Owego.

Ruth Eraklia Pietertje 2d, J. W. Dimick to C. A. & Isaac Haight, Millbrook.

Saake De Kol Pietertje, J. W. Dimick to F. C. Drake, Oneida.

Sicha Burke Wayne, J. W. Dimick to W. E. Farr, Elmira.

Star Girl Boon, W. D. Robens to F. Ouderkirk, Cold Brook.

Susie Netherland Mechthilde, M. O. Sutton to Fred Rial, Addison.

Swea 2d's Mary, Jabez Smith to Clarence D. Smith, Berkshire.

Teresa Pietertje Mechthilde, C. W. Loomis to E. H. Dollar, Heuvelton.

Tirnai Yanka Mary Ann, James Phelan to Frank W. Plato, Sherman.

Vale Sadie Hamilton, J. W. Dimick to H. C. Way, Elmira.

Virginia Clothilde De Koy, E. A. Vandervort to J. D. Bristol, Bainbridge.

Wakatomica Hengerveld De Kol, J. W. Dimick to C. A. & Isaac Haight, Millbrook.

Winana Mercedes, R. L. Mayne to Chas. H. Hyde, Watertown.

Woodcrest Annette De Kol, C. P. Stevens to J. W. Dimick, Rifton.

Woodchest Maid, J. W. Dimick to C. W. Jessup, Florida.

Woodcrest Urmagelsche De Kol, C. P. Stevens to J. W. Dimick, Rifton.

OHIO.

Fearless Kate, Olive McKinley, Pauline Netherland Clothilde, and Rixey, M. E. Williams to Frank P. Sutliff, Wellington.

Highland De Kol Oosterbaan, Lady Kruger Ooosterbaan, Lady S. 3d, and Maud Hengerveld Oosterbaan, J. H. Stevens to A. C. Messenger, Burton.

Aaggie Lily Cozette, Walter & Babb to Frank P. Sutliff, Wellington.

Beauty Jewel De Kol, H. C. Nichols to F. P. Sutliff, and from F. P. Sutliff to Wm. Tomes, Strongsville.

Catherine Mahomet Hero, L. S. Boise to L. E. Connell, Fayette.

Ferndale Johanna Belle, Derrer Bros. to R. T. Stevens, Shelby.

Frisky Bawn Monk, Frank P. Sutliff to John Tomes, Grafton.

Lightfoot Queen Princess, W. W. Gates to W. H. Bullard, Andover.

Nettie Bawn Winter, F. P. Sutliff to John Tomes, Grafton.

(To be continued.)

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The Greenwood Herd Holsteins

Another Son of Prince Ybma Spofford No. 34709

Prince Ybma Spofford, 14th

born July 3, 1907. He is a very fine young bull, very straight and level; he is strong, robust and very handsome, about two-thirds white. Study his breeding and note what a large number of the best animals of the breed are found in his pedigree; also the number of good A. R. O. records.

N. B.—If you are looking for anything that is extra good in Holsteins, write us just what you want, or visit our herd and select for yourself. Either secures a square deal.

GET OUR PRICES, THEY WILL INTEREST YOU.

Prince Ybma Spofford
Individually and in breeding one of the greatest sires of the breed. Dam and sire's dam average 28.20 lbs. butter in 7 days. Best on record age considered. Sire's dam only 3 yrs. 1 mo. 6 days old. 18 young daughters in our herd. Keep watch for them. Dam recently sold for $6000.

De Kol Grace Clothilde Spofford
A. R. O. record at 2 years old, 262.1 lbs. milk, 10.59 lbs. butter in 7 days.
This cow was selected from our herd by a personal buyer, who took 4 grand A. R. O. cows at a large price.

Katy Spofford's Corona's Son
22 A. R. O. daughters, 2 at 3 yrs. old average 21.89 lbs. butter in 7 days. Nearly 90 lbs. each in 30 days.

Ybma 3d's Pledge Clothilde
643.9 lbs. milk, 30.38 lbs. butter in 7 days; 2629.3 lbs. milk, 121.34 lbs. butter in 30 days; 100.5 lbs. milk in 1 day.

Katy Spofford Corona's Son
22 A. R. O. daughters, 2 at 3 yrs. old average 21.89 lbs. butter in 7 days. Nearly 90 lbs. each in 30 days.

De Kol Grace Clothilde 2d
A. R. O. record 498 lbs. milk, 21.93 lbs. butter in 7 days.

Homestead Hengerveld Crown De Kol
9 A. R. O. daughters, 1 son with 2 A. R. O. daughters.

Katy Spofford Corona
Jr. 3-year A. R. O. record, 590.65 lbs. milk, 26.02 lbs. butter in 7 days.

Pledge 3d Clothilde
4 A. R. O. daughters, 3 average over 20 lbs.

Ybma 3d
Sister to dam of the great Paul Beets De Kol with 79 A. R. O. daughters.

Homestead Hengerveld Crown De Kol
9 A. R. O. daughters, 1 son with 22 A. R. O. daughters.

Katy Spofford Corona
Held Jr. 3-yr. old record for 7 yrs., 590.65 lbs. milk, 26.02 lbs. butter in 7 days.

De Kol 2d's Butter Boy 3d
51 A. R. O. daughters.
Dam's record, 26.57 lbs.

De Kol Grace Clothilde
A. R. O. at 3 yrs old 467.3 lbs. milk, 15.6 lbs. butter in 7 days.

E. H. Knapp & Son R. F. D. 2 **Fabius, N. Y.**

A GRANDDAUGHTER of De Kol 2nd's Paul De Kol, the greatest son of De Kol 2nd, founder of the De Kols, is offered for sale. She is a fine individual, is 4 years old and a deep milker, although has lost one quarter. She was bred to King Pontiac Calypso Korndyke, June 13, 1907. Would sell for about what the calf she carries is worth.

Address. W. L. KEYES, Valley View Farm, DEERFIELD, N. Y.

'Head Your Herd With The Best"

They Cost But Little More

If you want a son of a 22½-lb. 2-yearold, a 23½-lb. 3-year old, a 25-lb. 4-year old, a 26½-lb. cow or a 29¼-lb. 4-yearold, all by great sires, you can secure them at reasonable prices from theLakeside Herd, where such are bred; also females of the same class, all ages.

E. A. POWELL. 904 W. Genesee St., SYRACUSE, N. Y.

SPECIAL NOTICE Our cows are now just beginning to freshen, and we expect to test and retest them as fast as they are in condition. We *shall sell* all our bull calves, a few butter calves and 25 A. R. O. cows. Our aim is to make our prices correspond with cattle selected. We invite inspection

LOCUST HEDGE STOCK FARM
KIRKVILLE, N. Y.

Gem Herd Holstein-Friesian Cattle

AT ITS HEAD

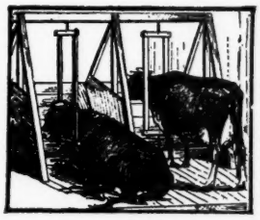
Gem Hengerveld De Kol Butter Boy, 86397

Sire, Hengerveld De Kol, 67 A. R. O. daughters Dam's sire, Lord Netherland De Kol, also 67 A. R. O. daughters.

Sons and daughters, and cows in calf to this great sire, for sale.

J. G. DRAKE, Somerville, N. J.

WARRINER'S CHAIN HANGING STANCHION



Gives animals perfect freedom; Absolutely no chafing. Thousands have testified to its simplicity, completeness and durability, among them **Ex-Governor Hoard of Wisconsin and I. B. Calvin,** Vice President State Dairyman's Association, Kewanee, Ind. The latter says: "**I think them perfect.**" The purchaser takes no risk as the Stanchions are shipped subject to 30 days' trial in your own stable. Send for descriptive pamphlet.

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BULL BARGAINS

No. 1—Dijkstra Johanna Lad, 37966. A show bull from the ground up; backed by good A. R. O. records.

No. 2—King Johanna Mercedes Paul, 47-895, a fine yearling, backed by large A. R. O. records on both sides.

No. 3—Cornucopia Hengerveld De Kol, 49221, one of the richest bred bulls of the breed.

Write today for prices and pedigrees.

H. M. LYON & SON

WYALUSING, PA

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PEDIGREES COMPILED.

I will send you a neatly typewritten pedigree showing three generations of ancestors, together with a carbon duplicate of the same, for 50 cents each or $5.00 a dozen. This is cheaper and more satisfactory than you can do it yourself. One prominent breeder writes:—

"My dear Mr. Kinne:

The pedigrees are here before me and to say that I am satisfied with them is putting it mildly. I now know just where I stand, and if I get a buyer here am prepared to talk **breeding** to him. I have a four-year-old cow here that it will take $300.00 to buy now. I would have sold her for $150.00 before I received your pedigrees. I am enclosing $10.00 for two dozen pedigrees as per enclosed sheet I like the carbon copies very much. They are good to send in reply to inquiriers"

Just send registry number of animal and enclose fee to pay for same and you will get your pedigrees promptly.

H. E. KINNE Cortland, N. Y.

Hillcrest Butter-Bred Holsteins

A Few Choice Cows and Bred Heifers at Attractive Prices. Send for bull calf catalogue.

BERRY LUCAS

Greenwood, Mo.

CROWN HERD

I now offer a very fine bull calf, five months old, more black than white, nicely marked, and a good handler in every way. His dam has an A. R. O. record of 16.02 lbs. butter made at 9 years. She is now 15 years old. Has given over 4,800 lbs. of milk in 4 months. Calf's sire, Homestead Hengerveld Crown De Kol, No. 26345.

I. J. FOSTER - - - Cortland, N. Y.

NOTICE TO HOLSTEIN BREEDERS

Owing to the demand for Bull Calves from "THE FAMOUS $10,000 MILK AND BUTTER KING," the undersigned will receive orders for males for conditional future delivery, bred from a selected list of pedigreed dams, that will be submitted with prices.

Address

The David Harum Stock Farm, Homer, N. Y. and Oakhurst Farm, Auburn, N. Y.

In writing to advertisers mention the WORLD.

SUNRISE HERD offers a 4 year old bull that can win over Paul Soldene De Kol in 1908. He also carries the best blood lines of the breed; and he and his daughters are here to prove what I say.

Why pay a long price for an experiment when you can get a sure thing for $200?

RALPH CORBIN, Bainbridge, N. Y.

THE CLARK FARM HERD

GENIE CLOTHILDE NO. 48097 RECENT OFFICIAL RECORD

One day test 95.1 lbs. milk, 4.642 lbs. fat and 5.803 lbs. butter.
Seven day test 639.4 lbs. milk, 24.037 lbs. fat and 30.046 lbs. butter.
Thirty day test 2,601.2 lbs. milk, 93.156 lbs. fat and 116.445 lbs. butter.

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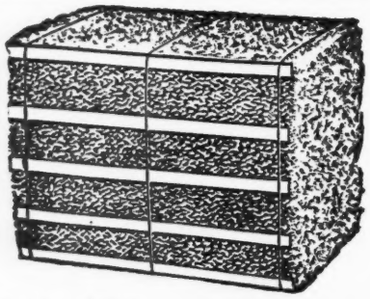

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